



ภาคผนวก

ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่

Copyright© by Chiang Mai University
All rights reserved



ภาคผนวก ก

ข้อมูลที่ใช้ในการศึกษา

ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่

Copyright© by Chiang Mai University
All rights reserved

DATE	GDP ไทย	อัตราเงิน เพื่อ ไทย	อัตรา ดอกเบี้ยไทย	GDP รวม	อัตราเงิน เพื่อ รวม	อัตรา ดอกเบี้ยรวม	อัตราแลกเปลี่ยนรวม	poil
1990Q1	4.141	0.010	0.024	4.200	0.010	0.015	2.562	2.950
1990Q2	4.160	0.017	0.027	4.228	0.010	0.015	2.562	2.870
1990Q3	4.180	0.010	0.030	4.259	0.005	0.015	2.583	3.482
1990Q4	4.200	0.025	0.034	4.263	0.015	0.015	2.567	3.258
1991Q1	4.219	0.004	0.035	4.248	0.006	0.015	2.565	2.927
1991Q2	4.241	0.021	0.032	4.265	0.011	0.014	2.562	2.941
1991Q3	4.263	0.008	0.033	4.297	0.007	0.014	2.574	3.017
1991Q4	4.285	0.013	0.027	4.309	0.009	0.014	2.583	2.906
1992Q1	4.308	0.003	0.023	4.289	0.005	0.013	2.585	2.872
1992Q2	4.323	0.014	0.018	4.307	0.013	0.012	2.597	3.048
1992Q3	4.338	0.016	0.022	4.338	0.007	0.011	2.603	3.026
1992Q4	4.353	-0.008	0.022	4.347	0.011	0.011	2.591	2.886
1993Q1	4.368	0.009	0.023	4.332	0.011	0.011	2.609	2.940
1993Q2	4.377	0.014	0.023	4.354	0.016	0.011	2.633	2.870
1993Q3	4.440	0.014	0.020	4.380	0.013	0.012	2.639	2.781
1993Q4	4.450	0.006	0.018	4.389	0.011	0.012	2.634	2.552
1994Q1	4.473	0.014	0.016	4.381	0.023	0.012	2.545	2.575
1994Q2	4.472	0.017	0.019	4.398	0.014	0.012	2.556	2.877
1994Q3	4.492	0.017	0.022	4.429	0.019	0.012	2.570	2.759
1994Q4	4.542	0.003	0.023	4.438	0.016	0.013	2.574	2.749
1995Q1	4.565	0.010	0.025	4.420	0.011	0.013	2.600	2.826
1995Q2	4.588	0.022	0.028	4.438	0.009	0.012	2.630	2.814
1995Q3	4.584	0.021	0.028	4.463	0.007	0.012	2.583	2.797
1995Q4	4.598	0.018	0.028	4.474	0.006	0.012	2.580	2.860
1996Q1	4.612	0.011	0.027	4.466	0.008	0.012	2.570	2.981
1996Q2	4.652	0.011	0.025	4.485	0.011	0.011	2.567	2.918
1996Q3	4.659	0.011	0.024	4.508	0.004	0.010	2.566	3.102
1996Q4	4.642	0.013	0.023	4.529	0.005	0.010	2.561	3.152

DATE	y	pie	rs	Y ၂၅၅	Pie ၂၅၅	Rs ၂၅၅	E ၂၅၅	poil
1997Q1	4.622	0.009	0.023	4.519	0.004	0.010	2.550	2.955
1997Q2	4.648	0.010	0.022	4.535	0.010	0.010	2.516	2.845
1997Q3	4.643	0.028	0.027	4.557	0.003	0.010	2.831	2.870
1997Q4	4.597	0.025	0.027	4.556	0.002	0.010	2.998	2.792
1998Q1	4.546	0.022	0.028	4.514	0.001	0.010	2.935	2.576
1998Q2	4.501	0.022	0.029	4.515	0.003	0.010	2.917	2.401
1998Q3	4.495	0.008	0.027	4.524	-0.001	0.010	2.889	2.475
1998Q4	4.522	-0.005	0.017	4.530	0.004	0.007	2.834	2.156
1999Q1	4.541	0.000	0.013	4.515	-0.002	0.007	2.856	2.489
1999Q2	4.538	-0.008	0.012	4.541	0.002	0.005	2.837	2.724
1999Q3	4.579	0.003	0.011	4.563	0.001	0.006	2.961	3.042
1999Q4	4.582	0.006	0.010	4.581	0.002	0.006	2.929	3.150
2000Q1	4.602	0.008	0.009	4.576	0.002	0.006	2.907	3.312
2000Q2	4.600	0.000	0.009	4.594	0.002	0.006	2.937	3.352
2000Q3	4.605	0.008	0.008	4.617	0.002	0.006	3.005	3.430
2000Q4	4.619	0.001	0.007	4.631	0.003	0.006	3.018	3.239
2001Q1	4.615	0.006	0.007	4.606	0.002	0.005	3.006	3.176
2001Q2	4.622	0.010	0.006	4.601	0.003	0.005	3.030	3.189
2001Q3	4.629	-0.001	0.006	4.608	-0.001	0.004	3.024	3.036
2001Q4	4.644	-0.006	0.006	4.612	-0.003	0.004	2.985	2.786
2002Q1	4.657	0.002	0.005	4.595	-0.002	0.003	2.964	3.043
2002Q2	4.675	0.008	0.005	4.613	0.005	0.003	2.958	3.098
2002Q3	4.687	0.000	0.005	4.637	0.001	0.003	2.982	3.269
2002Q4	4.702	0.005	0.004	4.647	0.000	0.003	2.991	3.229
2003Q1	4.722	0.007	0.004	4.627	0.003	0.003	2.986	3.410
2003Q2	4.732	0.004	0.004	4.627	0.002	0.003	2.963	3.304
2003Q3	4.751	0.002	0.003	4.670	0.002	0.003	2.944	3.224
2003Q4	4.776	0.003	0.002	4.694	0.003	0.003	2.949	3.361

DATE	y	pie	rs	Y ၄၅၅	Pie ၄၅၅	Rs ၄၅၅	E ၄၅၅	poil
2004Q1	4.814	0.010	0.002	4.680	0.004	0.003	2.941	3.511
2004Q2	4.769	0.012	0.002	4.692	0.009	0.003	2.971	3.520
2004Q3	4.779	0.008	0.002	4.716	0.003	0.003	2.986	3.720
2004Q4	4.870	0.001	0.002	4.733	-0.002	0.004	2.952	3.669
2005Q1	4.849	0.007	0.002	4.714	0.000	0.004	2.933	3.867
2005Q2	4.816	0.019	0.003	4.732	0.002	0.004	2.978	3.908
2005Q3	4.833	0.027	0.006	4.763	0.002	0.004	2.979	4.070
2005Q4	4.912	0.005	0.007	4.780	0.004	0.005	2.959	3.957
2006Q1	4.910	0.004	0.009	4.767	0.000	0.005	2.916	4.015
2006Q2	4.867	0.024	0.011	4.776	0.008	0.005	2.913	4.141
2006Q3	4.877	0.003	0.011	4.804	0.003	0.006	2.883	4.021
2006Q4	4.954	0.001	0.012	4.822	0.001	0.006	2.846	3.990
2007Q1	4.951	-0.004	0.010	4.807	0.002	0.006	2.762	3.963
2007Q2	4.909	0.019	0.007	4.815	0.008	0.006	2.741	4.082
2007Q3	4.924	0.000	0.006	4.848	0.008	0.007	2.759	4.262
2007Q4	5.010	0.014	0.006	4.861	0.006	0.006	2.719	4.424
2008Q1	5.010	0.016	0.006	4.847	0.009	0.005	2.817	4.573
2008Q2	5.002	0.042	0.006	4.848	0.009	0.005	2.856	4.839
2008Q3	5.023	-0.002	0.007	4.849	0.007	0.005	2.879	4.566
2008Q4	4.958	-0.035	0.006	4.821	-0.017	0.004	2.946	3.495

ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่
 Copyright© by Chiang Mai University
 All rights reserved

DATE	Y us	Pie us	Rs us	E us	Y Japan	Pie Japan	Rs Japan	E Japan
1990Q1	4.283	0.017	0.020	3.255	4.435	0.004	0.007	2.828
1990Q2	4.285	0.009	0.020	3.253	4.459	0.013	0.009	2.824
1990Q3	4.285	0.018	0.019	3.234	4.473	0.002	0.009	2.909
1990Q4	4.278	0.016	0.019	3.227	4.476	0.016	0.010	2.935
1991Q1	4.273	0.007	0.016	3.237	4.491	-0.005	0.010	2.921
1991Q2	4.279	0.006	0.015	3.249	4.491	0.010	0.010	2.914
1991Q3	4.284	0.009	0.014	3.243	4.493	0.000	0.009	2.948
1991Q4	4.289	0.007	0.012	3.236	4.500	0.012	0.011	2.982
1992Q1	4.299	0.007	0.010	3.244	4.501	-0.003	0.010	2.959
1992Q2	4.309	0.008	0.010	3.235	4.503	0.013	0.009	2.997
1992Q3	4.318	0.007	0.008	3.227	4.506	-0.004	0.008	3.024
1992Q4	4.329	0.008	0.008	3.238	4.503	0.003	0.007	3.023
1993Q1	4.331	0.008	0.008	3.236	4.516	0.000	0.006	3.079
1993Q2	4.336	0.007	0.008	3.227	4.505	0.010	0.005	3.156
1993Q3	4.341	0.004	0.008	3.227	4.500	0.004	0.005	3.172
1993Q4	4.354	0.007	0.008	3.237	4.500	-0.002	0.004	3.143
1994Q1	4.364	0.007	0.008	3.232	4.509	0.001	0.004	3.182
1994Q2	4.377	0.007	0.011	3.224	4.514	0.004	0.004	3.200
1994Q3	4.383	0.009	0.012	3.218	4.522	-0.003	0.004	3.230
1994Q4	4.394	0.004	0.014	3.223	4.521	0.005	0.004	3.221
1995Q1	4.397	0.009	0.015	3.209	4.525	-0.005	0.004	3.309
1995Q2	4.399	0.008	0.015	3.206	4.530	0.002	0.003	3.372
1995Q3	4.407	0.005	0.014	3.224	4.540	-0.002	0.001	3.219
1995Q4	4.414	0.005	0.014	3.225	4.545	-0.001	0.001	3.207
1996Q1	4.421	0.009	0.013	3.229	4.555	-0.003	0.001	3.171
1996Q2	4.438	0.010	0.013	3.233	4.567	0.007	0.001	3.147
1996Q3	4.446	0.005	0.013	3.235	4.572	-0.002	0.001	3.140
1996Q4	4.458	0.007	0.013	3.243	4.586	0.003	0.001	3.112

DATE	Y us	Pie us	Rs us	E us	Y Japan	Pie Japan	Rs Japan	E Japan
1997Q1	4.465	0.006	0.013	3.257	4.594	-0.002	0.001	3.051
1997Q2	4.480	0.004	0.014	3.200	4.584	0.021	0.001	3.067
1997Q3	4.493	0.005	0.014	3.563	4.584	0.000	0.001	3.373
1997Q4	4.500	0.004	0.014	3.791	4.590	0.002	0.001	3.531
1998Q1	4.511	0.002	0.014	3.722	4.580	-0.004	0.001	3.468
1998Q2	4.518	0.005	0.014	3.746	4.568	0.005	0.001	3.407
1998Q3	4.529	0.005	0.013	3.699	4.577	-0.005	0.001	3.403
1998Q4	4.544	0.004	0.013	3.591	4.578	0.010	0.000	3.434
1999Q1	4.553	0.004	0.012	3.626	4.572	-0.011	0.000	3.448
1999Q2	4.561	0.009	0.012	3.609	4.579	0.004	0.000	3.421
1999Q3	4.573	0.006	0.013	3.690	4.578	-0.003	0.000	3.625
1999Q4	4.590	0.007	0.015	3.644	4.582	0.000	0.000	3.618
2000Q1	4.593	0.009	0.015	3.636	4.592	-0.007	0.000	3.574
2000Q2	4.608	0.010	0.016	3.666	4.601	0.003	0.000	3.606
2000Q3	4.607	0.008	0.016	3.737	4.608	-0.003	0.000	3.671
2000Q4	4.612	0.006	0.016	3.767	4.620	-0.002	0.000	3.652
2001Q1	4.612	0.010	0.013	3.784	4.624	-0.003	0.000	3.589
2001Q2	4.610	0.010	0.010	3.812	4.612	-0.001	0.000	3.611
2001Q3	4.607	0.001	0.008	3.792	4.604	-0.002	0.000	3.621
2001Q4	4.612	-0.002	0.005	3.783	4.598	-0.004	0.000	3.540
2002Q1	4.623	0.003	0.005	3.771	4.592	-0.007	0.000	3.501
2002Q2	4.628	0.011	0.005	3.741	4.604	0.005	0.000	3.532
2002Q3	4.636	0.004	0.004	3.759	4.614	-0.002	0.000	3.568
2002Q4	4.640	0.003	0.004	3.769	4.615	-0.001	0.000	3.571
2003Q1	4.644	0.010	0.003	3.756	4.616	-0.004	0.000	3.585
2003Q2	4.652	0.003	0.003	3.730	4.625	0.004	0.000	3.562
2003Q3	4.672	0.005	0.003	3.701	4.632	-0.002	0.000	3.563
2003Q4	4.682	0.000	0.003	3.682	4.650	-0.001	0.000	3.608

DATE	Y us	Pie us	Rs us	E us	Y Japan	Pie Japan	Rs Japan	E Japan
2004Q1	4.677	0.009	0.003	3.676	4.651	-0.003	0.000	3.594
2004Q2	4.685	0.014	0.003	3.709	4.649	0.003	0.000	3.619
2004Q3	4.694	0.004	0.004	3.725	4.653	0.001	0.000	3.629
2004Q4	4.700	0.006	0.006	3.668	4.651	0.004	0.000	3.631
2005Q1	4.708	0.006	0.007	3.653	4.658	-0.007	0.000	3.602
2005Q2	4.714	0.013	0.008	3.712	4.669	0.001	0.000	3.628
2005Q3	4.723	0.012	0.009	3.714	4.673	-0.002	0.001	3.609
2005Q4	4.727	0.005	0.011	3.715	4.680	0.000	0.001	3.547
2006Q1	4.738	0.006	0.012	3.662	4.684	-0.001	0.001	3.503
2006Q2	4.745	-0.017	0.013	3.647	4.692	0.005	0.002	3.510
2006Q3	4.747	0.006	0.013	3.622	4.693	0.002	0.002	3.464
2006Q4	4.751	-0.009	0.013	3.576	4.704	-0.002	0.002	3.416
2007Q1	4.751	0.010	0.013	3.486	4.715	-0.005	0.002	3.326
2007Q2	4.763	0.019	0.013	3.476	4.709	0.004	0.003	3.271
2007Q3	4.774	0.003	0.013	3.467	4.711	0.002	0.002	3.327
2007Q4	4.774	0.007	0.012	3.406	4.719	0.004	0.002	3.288
2008Q1	4.776	0.011	0.008	3.447	4.728	-0.001	0.001	3.440
2008Q2	4.781	0.022	0.007	3.502	4.715	0.009	0.002	3.435
2008Q3	4.791	0.012	0.007	3.533	4.702	0.010	0.002	3.469
2008Q4	4.773	-0.029	0.007	3.555	4.683	-0.008	0.001	3.647

ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่
 Copyright© by Chiang Mai University
 All rights reserved

DATE	Ymalaysia	piemalaysia	rs_ml	e_ml	y_ch	pie_ch	rs_ch	e_ch
1990Q1	3.901	0.008	0.012	2.256	4.133	0.017	0.027	1.700
1990Q2	3.913	0.008	0.013	2.256	4.185	0.007	0.024	1.699
1990Q3	3.930	-0.002	0.014	2.242	4.275	0.003	0.021	1.679
1990Q4	3.938	0.015	0.016	2.233	4.283	0.010	0.021	1.572
1991Q1	3.975	0.015	0.016	2.229	4.192	0.001	0.021	1.582
1991Q2	3.982	0.015	0.016	2.226	4.236	0.017	0.018	1.569
1991Q3	4.032	0.003	0.018	2.228	4.326	0.017	0.018	1.560
1991Q4	4.060	0.008	0.019	2.226	4.343	0.009	0.018	1.546
1992Q1	4.074	0.016	0.019	2.296	4.252	0.009	0.018	1.542
1992Q2	4.082	0.017	0.019	2.311	4.299	0.018	0.018	1.532
1992Q3	4.103	0.009	0.019	2.310	4.389	0.022	0.018	1.521
1992Q4	4.135	0.007	0.019	2.294	4.394	0.030	0.018	1.479
1993Q1	4.157	0.009	0.018	2.278	4.313	0.034	0.018	1.487
1993Q2	4.194	0.009	0.017	2.284	4.356	0.044	0.022	1.478
1993Q3	4.209	0.006	0.017	2.292	4.446	0.040	0.026	1.469
1993Q4	4.214	0.002	0.016	2.292	4.455	0.040	0.026	1.476
1994Q1	4.235	0.023	0.015	2.232	4.389	0.076	0.026	1.066
1994Q2	4.264	0.002	0.011	2.271	4.421	0.043	0.026	1.063
1994Q3	4.302	0.009	0.010	2.279	4.491	0.069	0.026	1.071
1994Q4	4.324	0.010	0.012	2.282	4.505	0.050	0.026	1.083
1995Q1	4.331	0.012	0.013	2.275	4.425	0.040	0.026	1.075
1995Q2	4.376	0.006	0.014	2.314	4.450	0.024	0.026	1.087
1995Q3	4.383	0.007	0.014	2.303	4.503	0.023	0.026	1.103
1995Q4	4.412	0.009	0.016	2.293	4.520	0.018	0.026	1.105
1996Q1	4.443	0.012	0.017	2.296	4.449	0.023	0.026	1.107
1996Q2	4.459	0.009	0.017	2.318	4.485	0.024	0.022	1.112
1996Q3	4.480	0.006	0.017	2.318	4.548	0.011	0.018	1.115
1996Q4	4.502	0.006	0.017	2.316	4.577	0.008	0.018	1.123

DATE	y_ml	pie_ml	rs_ml	e_ml	y_ch	pie_ch	rs_ch	e_ch
1997Q1	4.523	0.010	0.017	2.349	4.506	0.006	0.018	1.137
1997Q2	4.538	0.002	0.018	2.277	4.555	0.005	0.018	1.081
1997Q3	4.558	0.005	0.018	2.456	4.607	0.002	0.018	1.446
1997Q4	4.558	0.010	0.021	2.459	4.591	-0.004	0.014	1.674
1998Q1	4.489	0.026	0.023	2.401	4.474	-0.003	0.013	1.605
1998Q2	4.481	0.015	0.024	2.359	4.492	-0.002	0.013	1.628
1998Q3	4.446	0.004	0.021	2.363	4.523	-0.005	0.012	1.582
1998Q4	4.452	0.007	0.014	2.256	4.524	-0.002	0.009	1.478
1999Q1	4.478	0.012	0.014	2.291	4.445	-0.006	0.009	1.512
1999Q2	4.519	0.002	0.009	2.274	4.497	-0.007	0.006	1.495
1999Q3	4.534	0.001	0.009	2.355	4.562	0.002	0.006	1.577
1999Q4	4.552	0.005	0.008	2.309	4.604	0.002	0.006	1.530
2000Q1	4.587	0.008	0.008	2.301	4.546	0.004	0.006	1.522
2000Q2	4.602	0.000	0.008	2.331	4.570	-0.006	0.006	1.552
2000Q3	4.610	0.001	0.008	2.402	4.635	0.002	0.006	1.624
2000Q4	4.616	0.007	0.009	2.432	4.665	0.005	0.006	1.653
2001Q1	4.615	0.007	0.009	2.449	4.573	0.000	0.006	1.670
2001Q2	4.604	0.001	0.008	2.477	4.585	0.004	0.006	1.699
2001Q3	4.606	-0.001	0.008	2.457	4.634	-0.001	0.006	1.679
2001Q4	4.616	0.005	0.008	2.448	4.647	-0.004	0.006	1.670
2002Q1	4.627	0.009	0.008	2.436	4.563	-0.004	0.005	1.657
2002Q2	4.645	0.006	0.008	2.406	4.590	0.000	0.005	1.628
2002Q3	4.661	0.001	0.008	2.424	4.661	0.002	0.005	1.645
2002Q4	4.667	0.002	0.008	2.434	4.694	-0.003	0.005	1.655
2003Q1	4.673	0.005	0.008	2.421	4.603	0.007	0.005	1.637
2003Q2	4.690	0.002	0.008	2.395	4.581	0.001	0.005	1.616
2003Q3	4.711	0.002	0.007	2.366	4.699	0.003	0.005	1.587
2003Q4	4.730	0.000	0.007	2.347	4.740	0.015	0.005	1.569

DATE	y_ml	pie_ml	rs_ml	e_ml	y_ch	pie_ch	rs_ch	e_ch
2004Q1	4.739	0.006	0.007	2.341	4.678	0.008	0.005	1.562
2004Q2	4.779	0.004	0.007	2.374	4.695	0.019	0.005	1.596
2004Q3	4.807	0.005	0.007	2.390	4.763	0.002	0.005	1.612
2004Q4	4.812	0.010	0.007	2.333	4.816	-0.027	0.006	1.555
2005Q1	4.794	0.005	0.007	2.318	4.738	0.003	0.006	1.540
2005Q2	4.821	0.008	0.007	2.377	4.763	-0.011	0.006	1.598
2005Q3	4.861	0.009	0.007	2.388	4.841	-0.007	0.006	1.624
2005Q4	4.869	0.009	0.007	2.386	4.883	0.007	0.006	1.626
2006Q1	4.851	0.010	0.007	2.353	4.824	-0.008	0.006	1.577
2006Q2	4.879	0.012	0.008	2.348	4.823	0.007	0.006	1.567
2006Q3	4.918	0.004	0.008	2.322	4.903	0.000	0.006	1.551
2006Q4	4.921	0.004	0.008	2.310	4.947	0.013	0.006	1.519
2007Q1	4.905	0.007	0.008	2.236	4.877	0.005	0.007	1.440
2007Q2	4.935	0.001	0.008	2.239	4.883	0.011	0.008	1.443
2007Q3	4.983	0.007	0.008	2.224	4.968	0.017	0.009	1.450
2007Q4	4.992	0.008	0.008	2.203	5.013	0.003	0.010	1.409
2008Q1	4.974	0.010	0.008	2.289	4.946	0.017	0.010	1.491
2008Q2	5.027	0.023	0.008	2.321	4.941	-0.011	0.010	1.570
2008Q3	5.060	0.040	0.008	2.298	4.931	-0.024	0.010	1.612
2008Q4	4.981	-0.016	0.008	2.289	4.918	-0.033	0.006	1.630

ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่
 Copyright© by Chiang Mai University
 All rights reserved

DATE	y_s	pie_s	rs_s	e_s
1990Q1	3.800	0.009	0.009	2.625
1990Q2	3.854	0.006	0.011	2.640
1990Q3	3.885	0.006	0.013	2.664
1990Q4	3.896	0.016	0.013	2.681
1991Q1	3.872	0.008	0.011	2.674
1991Q2	3.923	0.007	0.011	2.673
1991Q3	3.953	0.005	0.012	2.712
1991Q4	3.958	0.005	0.011	2.733
1992Q1	3.930	0.005	0.008	2.738
1992Q2	3.972	0.008	0.008	2.750
1992Q3	4.014	0.005	0.007	2.758
1992Q4	4.037	0.006	0.006	2.744
1993Q1	4.004	0.006	0.006	2.738
1993Q2	4.092	0.006	0.006	2.747
1993Q3	4.133	0.005	0.006	2.758
1993Q4	4.175	0.007	0.006	2.769
1994Q1	4.159	0.009	0.006	2.773
1994Q2	4.184	0.010	0.007	2.798
1994Q3	4.241	0.008	0.008	2.820
1994Q4	4.254	0.007	0.009	2.841
1995Q1	4.227	0.000	0.009	2.857
1995Q2	4.270	0.006	0.009	2.873
1995Q3	4.333	0.001	0.008	2.864
1995Q4	4.340	0.001	0.008	2.878
1996Q1	4.336	0.004	0.008	2.886
1996Q2	4.343	0.005	0.008	2.890
1996Q3	4.372	0.003	0.008	2.892
1996Q4	4.407	0.003	0.008	2.906

DATE	y_s	pie_s	rs_s	e_s
1997Q1	4.402	0.006	0.008	2.893
1997Q2	4.442	0.004	0.008	2.844
1997Q3	4.487	0.008	0.008	3.146
1997Q4	4.475	0.004	0.009	3.289
1998Q1	4.427	-0.005	0.013	3.240
1998Q2	4.433	-0.006	0.013	3.218
1998Q3	4.444	-0.001	0.012	3.155
1998Q4	4.455	-0.002	0.007	3.089
1999Q1	4.458	0.002	0.004	3.078
1999Q2	4.501	0.001	0.004	3.072
1999Q3	4.533	0.002	0.004	3.162
1999Q4	4.542	0.000	0.004	3.128
2000Q1	4.551	0.007	0.004	3.096
2000Q2	4.589	-0.001	0.004	3.119
2000Q3	4.637	0.008	0.004	3.183
2000Q4	4.641	0.005	0.004	3.215
2001Q1	4.596	0.004	0.004	3.211
2001Q2	4.582	-0.001	0.004	3.215
2001Q3	4.571	0.000	0.004	3.232
2001Q4	4.576	-0.005	0.003	3.174
2002Q1	4.588	-0.002	0.003	3.167
2002Q2	4.627	0.003	0.003	3.163
2002Q3	4.634	0.000	0.002	3.189
2002Q4	4.636	0.001	0.002	3.207
2003Q1	4.625	0.003	0.002	3.194
2003Q2	4.611	-0.002	0.001	3.179
2003Q3	4.677	0.003	0.001	3.143
2003Q4	4.717	0.002	0.001	3.145

DATE	y_s	pie_s	rs_s	e_s
2004Q1	4.716	0.009	0.001	3.145
2004Q2	4.734	0.004	0.001	3.171
2004Q3	4.752	0.004	0.001	3.197
2004Q4	4.786	-0.001	0.001	3.173
2005Q1	4.758	-0.005	0.001	3.164
2005Q2	4.798	0.003	0.001	3.197
2005Q3	4.836	0.007	0.001	3.195
2005Q4	4.875	0.006	0.001	3.200
2006Q1	4.859	-0.002	0.001	3.179
2006Q2	4.878	0.001	0.001	3.182
2006Q3	4.910	0.003	0.001	3.165
2006Q4	4.943	0.004	0.001	3.144
2007Q1	4.932	-0.003	0.001	3.064
2007Q2	4.961	0.006	0.001	3.046
2007Q3	5.001	0.020	0.001	3.055
2007Q4	4.996	0.016	0.001	3.036
2008Q1	4.997	0.022	0.001	3.122
2008Q2	4.985	0.014	0.001	3.189
2008Q3	5.001	0.012	0.001	3.176
2008Q4	4.953	0.006	0.001	3.166

ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่
 Copyright© by Chiang Mai University
 All rights reserved



ภาคผนวก ข

ตารางสถิติ

ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่

Copyright© by Chiang Mai University
All rights reserved

ตาราง Durbin-Watson Statistic ค่า dL and dU ที่ระดับนัยสำคัญ 5% เมื่อ k คือ จำนวนตัวแปรอิสระ

n	k=1		k=2		k=3		k=4		k=5		k=6		k=7	
	dL	dU	dL	dU	dL	dU	dL	dU	dL	dU	dL	dU	dL	dU
6	0.610	1.400												
7	0.700	1.356	0.467	1.896										
8	0.763	1.332	0.559	1.777	0.368	2.287								
9	0.824	1.320	0.629	1.699	0.455	2.128	0.296	2.588						
10	0.879	1.320	0.697	1.641	0.525	2.016	0.376	2.414	0.243	2.822				
11	0.927	1.324	0.758	1.604	0.595	1.928	0.444	2.283	0.316	2.645	0.203	3.005		
12	0.971	1.331	0.812	1.579	0.658	1.864	0.512	2.177	0.379	2.506	0.268	2.832	0.171	3.149
13	1.010	1.340	0.861	1.562	0.715	1.816	0.574	2.094	0.445	2.390	0.328	2.692	0.230	2.985
14	1.045	1.350	0.905	1.551	0.767	1.779	0.632	2.030	0.505	2.296	0.389	2.572	0.286	2.848
15	1.077	1.361	0.946	1.543	0.814	1.750	0.685	1.977	0.562	2.220	0.447	2.472	0.343	2.727
16	1.106	1.371	0.982	1.539	0.857	1.728	0.734	1.935	0.615	2.157	0.502	2.388	0.398	2.624
17	1.133	1.381	1.015	1.536	0.897	1.710	0.779	1.900	0.664	2.104	0.554	2.318	0.451	2.537
18	1.158	1.391	1.046	1.535	0.933	1.696	0.820	1.872	0.710	2.060	0.603	2.257	0.502	2.461
19	1.180	1.401	1.074	1.536	0.967	1.685	0.859	1.848	0.752	2.023	0.649	2.206	0.549	2.396
20	1.201	1.411	1.100	1.537	0.998	1.676	0.894	1.828	0.792	1.991	0.692	2.162	0.595	2.339
21	1.221	1.420	1.125	1.538	1.026	1.669	0.927	1.812	0.829	1.964	0.732	2.124	0.637	2.290
22	1.239	1.429	1.147	1.541	1.053	1.664	0.958	1.797	0.863	1.940	0.769	2.090	0.677	2.246
23	1.257	1.437	1.168	1.543	1.078	1.660	0.986	1.785	0.895	1.920	0.804	2.061	0.715	2.208
24	1.273	1.446	1.188	1.546	1.101	1.656	1.013	1.775	0.925	1.902	0.837	2.035	0.751	2.174
25	1.288	1.454	1.206	1.550	1.123	1.654	1.038	1.767	0.953	1.886	0.868	2.012	0.784	2.144
26	1.302	1.461	1.224	1.553	1.143	1.652	1.062	1.759	0.979	1.873	0.897	1.992	0.816	2.117
27	1.316	1.469	1.240	1.556	1.162	1.651	1.084	1.753	1.004	1.861	0.925	1.974	0.845	2.093
28	1.328	1.476	1.255	1.560	1.181	1.650	1.104	1.747	1.028	1.850	0.951	1.958	0.874	2.071
29	1.341	1.483	1.270	1.563	1.198	1.650	1.124	1.743	1.050	1.841	0.975	1.944	0.900	2.052
30	1.352	1.489	1.284	1.567	1.214	1.650	1.143	1.739	1.071	1.833	0.998	1.931	0.926	2.034
31	1.363	1.496	1.297	1.570	1.229	1.650	1.160	1.735	1.090	1.825	1.020	1.920	0.950	2.018
32	1.373	1.502	1.309	1.574	1.244	1.650	1.177	1.732	1.109	1.819	1.041	1.909	0.972	2.004
33	1.383	1.508	1.321	1.577	1.258	1.651	1.193	1.730	1.127	1.813	1.061	1.900	0.994	1.991
34	1.393	1.514	1.333	1.580	1.271	1.652	1.208	1.728	1.144	1.808	1.080	1.891	1.015	1.979
35	1.402	1.519	1.343	1.584	1.283	1.652	1.222	1.726	1.160	1.803	1.097	1.884	1.034	1.967
36	1.411	1.525	1.354	1.587	1.295	1.654	1.236	1.724	1.175	1.799	1.114	1.877	1.053	1.957
37	1.419	1.530	1.364	1.590	1.307	1.655	1.249	1.723	1.190	1.795	1.131	1.870	1.071	1.948
38	1.427	1.535	1.373	1.594	1.318	1.656	1.261	1.722	1.204	1.792	1.146	1.864	1.088	1.939
39	1.435	1.540	1.382	1.597	1.328	1.658	1.273	1.722	1.218	1.789	1.161	1.859	1.104	1.932
40	1.442	1.544	1.391	1.600	1.338	1.659	1.285	1.721	1.230	1.786	1.175	1.854	1.120	1.924
45	1.475	1.566	1.430	1.615	1.383	1.666	1.336	1.720	1.287	1.776	1.238	1.835	1.189	1.895
50	1.503	1.585	1.462	1.628	1.421	1.674	1.378	1.721	1.335	1.771	1.291	1.822	1.246	1.875
55	1.528	1.601	1.490	1.641	1.452	1.681	1.414	1.724	1.374	1.768	1.334	1.814	1.294	1.861
60	1.549	1.616	1.514	1.652	1.480	1.689	1.444	1.727	1.408	1.767	1.372	1.808	1.335	1.850
65	1.567	1.629	1.536	1.662	1.503	1.696	1.471	1.731	1.438	1.767	1.404	1.805	1.370	1.843
70	1.583	1.641	1.554	1.672	1.525	1.703	1.494	1.735	1.464	1.768	1.433	1.802	1.401	1.837
75	1.598	1.652	1.571	1.680	1.543	1.709	1.515	1.739	1.487	1.770	1.458	1.801	1.428	1.834
80	1.611	1.662	1.586	1.688	1.560	1.715	1.534	1.743	1.507	1.772	1.480	1.801	1.453	1.831
85	1.624	1.671	1.600	1.696	1.575	1.721	1.550	1.747	1.525	1.774	1.500	1.801	1.474	1.829
90	1.635	1.679	1.612	1.703	1.589	1.726	1.566	1.751	1.542	1.776	1.518	1.801	1.494	1.827
95	1.645	1.687	1.623	1.709	1.602	1.732	1.579	1.755	1.557	1.778	1.535	1.802	1.512	1.827
100	1.654	1.694	1.634	1.715	1.613	1.736	1.592	1.758	1.571	1.780	1.550	1.803	1.528	1.826
150	1.720	1.746	1.706	1.760	1.693	1.774	1.679	1.788	1.665	1.802	1.651	1.817	1.637	1.832
200	1.758	1.778	1.748	1.789	1.738	1.799	1.728	1.810	1.718	1.820	1.707	1.831	1.697	1.841

ที่มา : <http://econ.tu.ac.th/class/archan/Sittisak/EE624/Table.doc>

ตาราง F ที่ระดับนัยสำคัญ 5%

F Values for $\alpha = 0.05$									
d1									
d2	1	2	3	4	5	6	7	8	9
1	161.4	199.5	215.7	224.6	230.2	234	236.8	238.9	240.5
2	18.51	19	19.16	19.25	19.3	19.33	19.35	19.37	19.38
3	10.13	9.55	9.28	9.12	9.01	8.94	8.89	8.85	8.81
4	7.71	6.94	6.59	6.39	6.26	6.16	6.09	6.04	6
5	6.61	5.79	5.41	5.19	5.05	4.95	4.88	4.82	4.77
6	5.99	5.14	4.76	4.53	4.39	4.28	4.21	4.15	4.1
7	5.59	4.74	4.35	4.12	3.97	3.87	3.79	3.73	3.68
8	5.32	4.46	4.07	3.84	3.69	3.58	3.5	3.44	3.39
9	5.12	4.26	3.86	3.63	3.48	3.37	3.29	3.23	3.18
10	4.96	4.1	3.71	3.48	3.33	3.22	3.14	3.07	3.02
11	4.84	3.98	3.59	3.36	3.2	3.09	3.01	2.95	2.9
12	4.75	3.89	3.49	3.26	3.11	3	2.91	2.85	2.8
13	4.67	3.81	3.41	3.18	3.03	2.92	2.83	2.77	2.71
14	4.6	3.74	3.34	3.11	2.96	2.85	2.76	2.7	2.65
15	4.54	3.68	3.29	3.06	2.9	2.79	2.71	2.64	2.59
16	4.49	3.63	3.24	3.01	2.85	2.74	2.66	2.59	2.54
17	4.45	3.59	3.2	2.96	2.81	2.7	2.61	2.55	2.49
18	4.41	3.55	3.16	2.93	2.77	2.66	2.58	2.51	2.46
19	4.38	3.52	3.13	2.9	2.74	2.63	2.54	2.48	2.42
20	4.35	3.49	3.1	2.87	2.71	2.6	2.51	2.45	2.39
21	4.32	3.47	3.07	2.84	2.68	2.57	2.49	2.42	2.37
22	4.3	3.44	3.05	2.82	2.66	2.55	2.46	2.4	2.34
23	4.28	3.42	3.03	2.8	2.64	2.53	2.44	2.37	2.32
24	4.26	3.4	3.01	2.78	2.62	2.51	2.42	2.36	2.3

ตาราง F ที่ระดับนัยสำคัญ 5%

F Values for $\alpha = 0.05$									
d1									
d2	1	2	3	4	5	6	7	8	9
25	4.24	3.39	2.99	2.76	2.6	2.49	2.4	2.34	2.28
26	4.23	3.37	2.98	2.74	2.59	2.47	2.39	2.32	2.27
27	4.21	3.35	2.96	2.73	2.57	2.46	2.37	2.31	2.25
28	4.2	3.34	2.95	2.71	2.56	2.45	2.36	2.29	2.24
29	4.18	3.33	2.93	2.7	2.55	2.43	2.35	2.28	2.22
30	4.17	3.32	2.92	2.69	2.53	2.42	2.33	2.27	2.21
40	4.08	3.23	2.84	2.61	2.45	2.34	2.25	2.18	2.12
60	4	3.15	2.76	2.53	2.37	2.25	2.17	2.1	2.04
120	3.92	3.07	2.68	2.45	2.29	2.17	2.09	2.02	1.96
inf	3.84	3	2.6	2.37	2.21	2.1	2.01	1.94	1.88

ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่
 Copyright© by Chiang Mai University
 All rights reserved

ตารางสถิติ t (t – statistics 2 tailed)

df	0.1	0.05	0.025	0.01	df	0.1	0.05	0.025	0.01
1	6.314	12.706	31.821	63.657	26	1.7056	2.0555	2.3788	2.7787
2	2.92	4.3027	6.2054	9.925	27	1.7033	2.0518	2.3734	2.7707
3	2.3534	3.1824	4.1765	5.8408	28	1.7011	2.0484	2.3685	2.7633
4	2.1318	2.7765	3.4954	4.6041	29	1.6991	2.0452	2.3638	2.7564
5	2.015	2.5706	3.1634	4.0321	30	1.6973	2.0423	2.3596	2.75
6	1.9432	2.4469	2.9687	3.7074	31	1.6955	2.0395	2.3556	2.744
7	1.8946	2.3646	2.8412	3.4995	32	1.6939	2.0369	2.3518	2.7385
8	1.8595	2.306	2.7515	3.3554	33	1.6924	2.0345	2.3483	2.7333
9	1.8331	2.2622	2.685	3.2498	34	1.6909	2.0322	2.3451	2.7284
10	1.8125	2.2281	2.6338	3.1693	35	1.6896	2.0301	2.342	2.7238
11	1.7959	2.201	2.5931	3.1058	36	1.6883	2.0281	2.3391	2.7195
12	1.7823	2.1788	2.56	3.0545	37	1.6871	2.0262	2.3363	2.7154
13	1.7709	2.1604	2.5326	3.0123	38	1.686	2.0244	2.3337	2.7116
14	1.7613	2.1448	2.5096	2.9768	39	1.6849	2.0227	2.3313	2.7079
15	1.7531	2.1315	2.4899	2.9467	40	1.6839	2.0211	2.3289	2.7045
16	1.7459	2.1199	2.4729	2.9208	41	1.6829	2.0195	2.3267	2.7012
17	1.7396	2.1098	2.4581	2.8982	42	1.682	2.0181	2.3246	2.6981
18	1.7341	2.1009	2.445	2.8784	43	1.6811	2.0167	2.3226	2.6951
19	1.7291	2.093	2.4334	2.8609	44	1.6802	2.0154	2.3207	2.6923
20	1.7247	2.086	2.4231	2.8453	45	1.6794	2.0141	2.3189	2.6896
21	1.7207	2.0796	2.4138	2.8314	46	1.6787	2.0129	2.3172	2.687
22	1.7171	2.0739	2.4055	2.8188	47	1.6779	2.0117	2.3155	2.6846
23	1.7139	2.0687	2.3979	2.8073	48	1.6772	2.0106	2.3139	2.6822
24	1.7109	2.0639	2.391	2.797	49	1.6766	2.0096	2.3124	2.68
25	1.7081	2.0595	2.3846	2.7874	50	1.6759	2.0086	2.3109	2.6778

ตารางสถิติ t (t – statistics 2 tailed)

df	0.1	0.05	0.025	0.01	df	0.1	0.05	0.025	0.01
51	1.6753	2.0076	2.3095	2.6757	76	1.6652	1.9917	2.2867	2.6421
52	1.6747	2.0066	2.3082	2.6737	77	1.6649	1.9913	2.2861	2.6412
53	1.6741	2.0057	2.3069	2.6718	78	1.6646	1.9908	2.2855	2.6403
54	1.6736	2.0049	2.3056	2.67	79	1.6644	1.9905	2.2849	2.6395
55	1.673	2.004	2.3044	2.6682	80	1.6641	1.9901	2.2844	2.6387
56	1.6725	2.0032	2.3033	2.6665	81	1.6639	1.9897	2.2838	2.6379
57	1.672	2.0025	2.3022	2.6649	82	1.6636	1.9893	2.2833	2.6371
58	1.6716	2.0017	2.3011	2.6633	83	1.6634	1.989	2.2828	2.6364
59	1.6711	2.001	2.3	2.6618	84	1.6632	1.9886	2.2823	2.6356
60	1.6706	2.0003	2.299	2.6603	85	1.663	1.9883	2.2818	2.6349
61	1.6702	1.9996	2.2981	2.6589	86	1.6628	1.9879	2.2813	2.6342
62	1.6698	1.999	2.2971	2.6575	87	1.6626	1.9876	2.2809	2.6335
63	1.6694	1.9983	2.2962	2.6561	88	1.6624	1.9873	2.2804	2.6329
64	1.669	1.9977	2.2954	2.6549	89	1.6622	1.987	2.28	2.6322
65	1.6686	1.9971	2.2945	2.6536	90	1.662	1.9867	2.2795	2.6316
66	1.6683	1.9966	2.2937	2.6524	91	1.6618	1.9864	2.2791	2.6309
67	1.6679	1.996	2.2929	2.6512	92	1.6616	1.9861	2.2787	2.6303
68	1.6676	1.9955	2.2921	2.6501	93	1.6614	1.9858	2.2783	2.6297
69	1.6672	1.9949	2.2914	2.649	94	1.6612	1.9855	2.2779	2.6291
70	1.6669	1.9944	2.2906	2.6479	95	1.6611	1.9852	2.2775	2.6286
71	1.6666	1.9939	2.2899	2.6469	96	1.6609	1.985	2.2771	2.628
72	1.6663	1.9935	2.2892	2.6458	97	1.6607	1.9847	2.2767	2.6275
73	1.666	1.993	2.2886	2.6449	98	1.6606	1.9845	2.2764	2.6269
74	1.6657	1.9925	2.2879	2.6439	99	1.6604	1.9842	2.276	2.6264
75	1.6654	1.9921	2.2873	2.643	100	1.6602	1.984	2.2757	2.6259



ภาคผนวก ก
ผลการวิเคราะห์ข้อมูล

ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่
Copyright© by Chiang Mai University
All rights reserved



ผลการทดสอบความนิ่งของข้อมูล

ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่

Copyright© by Chiang Mai University
All rights reserved

ผลการทดสอบ Unit Root ของข้อมูลผลิตภัณฑ์มวลรวมภายในประเทศ ณ อันดับ I(0)

lag	Without trend and Intercept		With trend and Intercept			With Intercept		
	ADF	5 % critical value	ADF	5 % critical value	Prob. trend	ADF	5 % critical value	Prob. constant
0	3.162 (1.721)	-1.945 [-4.192]	-2.210 (1.695)	-3.470 [-4.162]	0.077	-1.607 (1.750)	-2.900 [-4.176]	0.082
1	2.506 (1.832)	-1.945 [-4.131]	-2.378 (1.828)	-3.471 [-4.109]	0.051	-1.565 (1.852)	-2.901 [-4.112]	0.094
2	3.603 (1.711)	-1.945 [-4.210]	-1.890 (1.734)	-3.472 [-4.171]	0.150	-1.636 (1.737)	-2.9017 [-4.199]	0.071
3	2.362 (1.961)	-1.945 [-4.182]	-2.091 (2.014)	-3.473 [-4.147]	0.095	-1.541 (1.981)	-2.902 [-4.164]	0.097
4	1.518 (1.796)	-1.945 [-4.165]	-2.477 (1.846)	-3.474 [-4.151]	0.040*	-1.521 (1.822)	-2.902 [-4.145]	0.110
5	1.427 (1.790)	-1.945 [-4.090]	-2.524 (1.817)	-3.475 [-4.078]	0.033*	-1.449 (1.819)	-2.903 [-4.066]	0.129
6	1.440 (1.782)	-1.9455 [-4.014]	-2.461 (1.822)	-3.476 [-3.999]	0.037*	-1.394 (1.810)	-2.904 [-3.988]	0.143
7	1.300 (1.777)	-1.945 [-3.937]	-2.555 (1.806)	-3.477 [-3.937]	0.028*	-1.316 (1.804)	-2.9048 [-3.907]	0.1680
8	1.506 (1.806)	-1.945 [-3.875]	-2.310 (1.824)	-3.478 [-3.851]	0.047*	-1.240 (1.835)	-2.905 [-3.842]	0.188
9	1.460 (1.801)	-1.945 [-3.790]	-2.341 (1.848)	-3.479 [-3.770]	0.044*	-1.229 (1.829)	-2.906 [-3.758]	0.194

หมายเหตุ : ตัวเลขในวงเล็บ () คือ ค่า Durbin – Watson Statistics

: ตัวเลขในวงเล็บ [] คือ ค่า Schwarz criterion

: * มีระดับนัยสำคัญที่ 5 %

ที่มา : จากการคำนวณ

ผลการทดสอบ Unit Root ของข้อมูลผลิตภัณฑ์มวลรวมภายในประเทศ ณ อันดับ I(1)

lag	Without trend and Intercept		With trend and Intercept			With Intercept		
	ADF	5 % critical value	ADF	5 % critical value	Prob. trend	ADF	5 % critical value	Prob. constant
0	-6.603* (1.825)	-1.945 [-4.105]	-7.350* (1.848)	-3.471 [-4.089]	0.384	-7.325* (1.835)	-2.901 [-4.137]	0.011*
1	-6.652* (1.745)	-1.945 [-4.099]	-8.187* (1.730)	-3.473 [-4.179]	0.275	-8.114* (1.714)	-2.902 [-4.220]	0.0004*
2	-3.530* (2.116)	-1.945 [-4.163]	-4.453* (1.966)	-3.473 [-4.143]	0.351	-4.387* (1.958)	-2.902 [-4.189]	0.016*
3	-2.389* (1.828)	-1.945 [-4.191]	-2.920 (1.807)	-3.474 [-4.120]	0.425	-2.863 (1.796)	-2.903 [-4.170]	0.111
4	-2.206* (1.802)	-1.946 [-4.119]	-2.710 (1.806)	-3.475 [-4.042]	0.470	-2.651 (1.792)	-2.904 [-4.094]	0.134
5	-2.153* (1.802)	-1.946 [-4.043]	-2.672 (1.796)	-3.47 [-3.965]	0.486	-2.613 (1.784)	-2.904 [-4.018]	0.132
6	-1.977* (1.789)	-1.946 [-3.971]	-2.415 (1.791)	-3.477 [3.885]	0.546	-2.368 (1.778)	-2.905 [-3.941]	0.172
7	-2.086* (1.809)	-1.946 [-3.899]	-2.631 (1.823)	-3.478 [-3.823]	0.545	-2.589 (1.809)	-2.906 [-3.879]	0.119
8	-1.945 (1.822)	-1.946 [-3.817]	-2.493 (1.814)	-3.479 [-3.738]	0.553	-2.449 (1.802)	-2.906 [-3.795]	0.130
9	-1.765 (1.854)	-1.946 [-3.738]	-2.248 (1.826)	-3.480 [-3.651]	0.591	-2.210 (1.818)	-2.907 [-3.710]	0.168

หมายเหตุ : ตัวเลขในวงเล็บ () คือ ค่า Durbin – Watson Statistics

: ตัวเลขในวงเล็บ [] คือ ค่า Schwarz criterion

: * มีระดับนัยสำคัญที่ 5 %

ที่มา : จากการคำนวณ

ผลการทดสอบ Unit Root ของข้อมูลผลิตภัณฑ์มวลรวมของประเทศคู่ค้าทั้ง 5 ประเทศ ณ
อันดับ I(0)

lag	Without trend and Intercept		With trend and Intercept			With Intercept		
	ADF	5 % critical value	ADF	5 % critical value	Prob. trend	ADF	5 % critical value	Prob. constant
0	3.987 (1.780)	-1.9451 [-5.185]	-3.317 (1.653)	-3.471 [-5.234]	0.003	-1.514 (1.813)	-2.901 [-5.165]	0.099
1	3.125 (1.872)	-1.945 [-5.137]	-3.406 (1.731)	-3.472 [-5.197]	0.001	-1.252 (1.883)	-2.901 [-5.165]	0.170
2	6.092 (1.792)	-1.945 [-5.546]	-1.827 (1.791)	-3.473 [-5.509]	0.102	-1.406 (1.828)	-2.902 [-5.528]	0.096
3	4.175 (1.971)	-1.945 [-5.481]	-1.886 (2.007)	-3.473 [-5.442]	0.088	1.287 (1.961)	-2.902 [-5.457]	0.130
4	0.757 (1.179)	-1.945 [-5.837]	-3.375 (1.241)	-3.474 [-5.932]	0.001	-1.613 (1.202)	-2.903 [-5.819]	0.100
5	2.581 (1.904)	-1.946 [-6.169]	-2.286 (1.895)	-3.475 [-6.172]	0.041	-1.726 (1.958)	-2.904 [-6.165]	0.060
6	2.448 (1.920)	-1.946 [-6.110]	-2.070 (1.906)	-3.476 [-6.092]	0.062	-1.515 (1.927)	-2.904 [-6.095]	0.093
7	2.3725 (1.8344)	-1.946 [-6.043]	-1.885 (1.840)	-3.477 [-6.011]	0.088	-1.366 (1.834)	-2.905 [-6.022]	0.124
8	1.341 (1.751)	-1.946 [-6.024]	-2.527 (1.803)	-3.478 [-6.041]	0.022	-1.537 (1.782)	-2.906 [-6.009]	0.102
9	1.913 (1.952)	-1.946 [-6.006]	-2.119 (1.950)	-3.479 [-6.000]	0.056	-1.539 (1.987)	-2.906 [-5.995]	0.091

หมายเหตุ : ตัวเลขในวงเล็บ () คือ ค่า Durbin – Watson Statistics

: ตัวเลขในวงเล็บ [] คือ ค่า Schwarz criterion

: ระดับนัยสำคัญ 5 %

ที่มา : จากการคำนวณ

ผลการทดสอบ Unit Root ของข้อมูลผลิตภัณฑ์มวลรวมของประเทศคู่ค้าทั้ง 5 ประเทศ ณ
อันดับ I(1)

lag	Without trend and Intercept		With trend and Intercept			With Intercept		
	ADF	5 % critical value	ADF	5 % critical value	Prob. trend	ADF	5 % critical value	Prob. constant
0	-6.635* (1.806)	-1.945 [-5.068]	-7.740* (1.886)	-3.472 [-5.093]	0.423	-7.720* (1.875)	-2.901 [-5.142]	0.002*
1	-7.957* (1.637)	-1.945 [-5.180]	-11.702* (1.827)	-3.4725 [-5.520]	0.242	-11.612* (1.803)	-2.9017 [-5.559]	0.0000*
2	-3.648* (2.548)	-1.945 [-5.313]	-5.974* (1.957)	-3.473 [-5.448]	0.296	-5.892* (1.960)	-2.902 [-5.492]	0.0001*
3	-1.386 (1.190)	-1.945 [-5.889]	-1.567 (1.194)	-3.474 [-5.801]	0.244	-1.461 (1.178)	-2.903 [-5.840]	0.3873
4	-2.157 (1.808)	-1.945 [-6.130]	-3.6150 (1.957)	-3.475 [-6.152]	0.149	-3.487 (1.915)	-2.904 [-6.179]	0.0084
5	-2.028 (1.973)	-1.946 [-6.079]	-3.395 (1.928)	-3.476 [-6.085]	0.206	-3.263 (1.919)	-2.904 [-6.120]	0.0123
6	-1.921 (1.949)	-1.946 [-6.016]	-3.231 (1.833)	-3.477 [-6.013]	0.253	-3.110 (1.830)	-2.905 [-6.053]	0.0152
7	-1.319 (1.778)	-1.945 [-6.056]	-2.017 (1.775)	-3.478 [-5.995]	0.214	-1.878 (1.751)	-2.906 [-6.031]	0.1435
8	-1.499 (1.926)	-1.945 [-6.006]	-2.630 (1.986)	-3.479 [-5.983]	0.195	-2.484 (1.958)	-2.906 [-6.016]	0.0435
9	-1.533 (1.887)	-1.945 [-5.923]	-2.946 (1.836)	-3.480 [-5.929]	0.177	-2.779 (1.820)	-2.906 [-5.959]	0.0209

หมายเหตุ : ตัวเลขในวงเล็บ () คือ ค่า Durbin – Watson Statistics

: ตัวเลขในวงเล็บ [] คือ ค่า Schwarz criterion

: ระดับนัยสำคัญ 5 %

ที่มา : ผลจากการคำนวณ

ผลการทดสอบ Unit Root ของข้อมูลผลิตภัณฑ์มวลรวมของประเทศไทย ณ อันดับ I(0)

lag	Without trend and Intercept		With trend and Intercept			With Intercept		
	ADF	5 % critical value	ADF	5 % critical value	Prob. trend	ADF	5 % critical value	Prob. constant
0	1.5018 (2.0286)	-1.9451 [-2.8297]	-2.8190 (1.7215)	-3.4708 [-2.9993]	0.0000	-1.6315 (1.9982)	-2.9006 [-2.8110]	0.0930
1	1.4071 (2.0289)	-1.9452 [-2.7656]	-2.3757 (1.6214)	-3.4716 [-2.9984]	0.0000	-1.4659 (1.9988)	-2.9012 [-2.7399]	0.1302
2	4.0736 (2.5867)	-1.9453 [-3.6785]	-1.9255 (2.4893)	-3.4725 [-3.6193]	0.0748	-0.7042 (2.5878)	-2.9017 [-3.6310]	0.3795
3	5.3883 (1.4112)	-1.9453 [-3.7763]	-1.2580 (1.4256)	-3.4734 [-3.6861]	0.2392	-0.4441 (1.4094)	-2.9023 [-3.7243]	0.4829
4	0.6449 (1.3696)	-1.9454 [-4.4208]	-2.7591 (1.5842)	-3.4743 [-4.5149]	0.0011	-1.6953 (1.4183)	-2.9029 [-4.4062]	0.0869
5	1.6868 (2.1646)	-1.9455 [-4.5042]	-2.6641 (2.0731)	-3.4753 [-4.5019]	0.0169	-1.1892 (2.1611)	-2.9035 [-4.4698]	0.1999
6	2.2270 (2.0343)	-1.9455 [-4.4974]	-2.1120 (2.0042)	-3.4762 [-4.4576]	0.0583	-1.0425 (2.0390)	-2.9041 [-4.4587]	0.2416
7	2.4203 (1.8925)	-1.9456 [-4.4414]	-1.8320 (1.9137)	-3.4772 [-4.3824]	0.0970	-0.8544 (1.8952)	-2.9048 [-4.3965]	0.3161
8	1.4451 (1.8930)	-1.9457 [-4.4232]	-2.4586 (1.9569)	-3.4783 [-4.4102]	0.0268	-1.0779 (1.9097)	-2.9055 [-4.3846]	0.2433
9	1.6726 (1.9715)	-1.9458 [-4.3585]	-2.2012 (1.9748)	-3.4793 [-4.3250]	0.0443	-0.8790 (1.9752)	-2.9062 [-4.3129]	0.3232

หมายเหตุ : ตัวเลขในวงเล็บ () คือ ค่า Durbin – Watson Statistics

: ตัวเลขในวงเล็บ [] คือ ค่า Schwarz criterion

: ระดับนัยสำคัญ 5 %

ที่มา : จากการคำนวณ

ผลการทดสอบ Unit Root ของข้อมูลผลิตภัณฑ์มวลรวมของประเทศไทย ณ อันดับ I(1)

lag	Without trend and Intercept		With trend and Intercept			With Intercept		
	ADF	5 % critical value	ADF	5 % critical value	Prob. trend	ADF	5 % critical value	Prob. constant
0	-8.4837* (1.9869)	-1.9452 [-2.7966]	-8.6242* (2.0309)	-3.4716 [-2.7110]	0.7988	-8.6771* (2.0296)	-2.9012 [-2.7682]	0.1445
1	-15.373* (2.1637)	-1.9453 [-3.5245]	-17.383* (2.5934)	-3.4725 [-3.6249]	0.7829	-17.500* (2.5911)	-2.9017 [-3.6826]	0.0001*
2	-8.2550* (1.8106)	-1.9453 [-3.4802]	-11.129* (1.4088)	-3.4734 [-3.7218]	0.8719	-11.208* (1.4092)	-2.9023 [-3.7808]	0.0000*
3	-1.5986 (1.3965)	-1.9454 [-4.4745]	-1.5699 (1.3853)	-3.4743 [-4.3754]	0.3691	-1.6277 (1.3668)	-2.9029 [-4.4230]	0.4567
4	-2.2460* (2.1016)	-1.9455 [-4.5214]	-2.7358 (2.1699)	-3.4753 [-4.4542]	0.5225	-2.8240 (2.1673)	-2.9035 [-4.5083]	0.0822
5	-2.5970* (1.9925)	-1.9455 [-4.4818]	-3.3834 (2.0407)	-3.4762 [-4.4472]	0.5409	-3.4757* (2.0365)	-2.9041 [-4.5024]	0.0248
6	-2.5789* (1.9633)	-1.9456 [-4.4103]	-3.5081* (1.8928)	-3.4772 [-4.3882]	0.6307	-3.5941* (1.8917)	-2.9048 [-4.4463]	0.0157
7	-1.7449 (1.9332)	-1.9457 [-4.4506]	-2.1467 (1.8999)	-3.4783 [-4.3705]	0.5585	-2.2411 (1.8927)	-2.9055 [-4.4272]	0.1328
8	-1.8165 (1.9757)	-1.9458 [-4.3732]	-2.3444 (1.9741)	-3.4793 [-4.3026]	0.6575	-2.4496 (1.9720)	-2.9062 [-4.3625]	0.0872
9	-1.7163 (1.9682)	-1.9459 [-4.2950]	-2.3444 (1.9741)	-3.4804 [-4.3026]	0.6575	-2.2947 (1.9604)	-2.9069 [-4.2796]	0.1062

หมายเหตุ : ตัวเลขในวงเล็บ () คือ ค่า Durbin – Watson Statistics

: ตัวเลขในวงเล็บ [] คือ ค่า Schwarz criterion

: ระดับนัยสำคัญ 5 %

ที่มา : จากการคำนวณ

ผลการทดสอบ Unit Root ของข้อมูลรายได้ประชากรของประเทศญี่ปุ่น ณ อันดับ I(0)

lag	Without trend and Intercept		With trend and Intercept			With Intercept		
	ADF	5 % critical value	ADF	5 % critical value	Prob. trend	ADF	5 % critical value	Prob. Constant
0	3.4683 (1.2778)	-1.9451 [-6.7298]	-2.5384 (1.2361)	-3.4708 [-6.7371]	0.0326	-2.0427 (1.3188)	-2.9006 [-6.7309]	0.0392
1	2.0003 (1.9512)	-1.9452 [-6.8475]	-2.7348 (1.9654)	-3.4716 [-6.8436]	0.0138	-1.3104 (1.9432)	-2.9012 [-6.8145]	0.1828
2	1.9266 (1.9030)	-1.9453 [-6.7803]	-2.6974 (1.9415)	-3.4725 [-6.7734]	0.0142	-1.1904 (1.9109)	-2.9017 [-6.7431]	0.2246
3	1.3114 (1.8455)	-1.9453 [-6.7217]	-3.2742 (1.8921)	-3.4734 [-6.7632]	0.0030	-1.3018 (1.8634)	-2.9023 [-6.6882]	0.1888
4	1.6432 (1.8911)	-1.9454 [-6.6836]	-2.9121 (1.8605)	-3.4743 [-6.6937]	0.0072	-1.0059 (1.8973)	-2.9029 [-6.6400]	0.3027
5	1.6799 (1.8620)	-1.9455 [-6.6226]	-2.9222 (1.9207)	-3.4753 [-6.6409]	0.0077	-1.2028 (1.8843)	-2.9035 [-6.5860]	0.2204
6	1.3248 (1.8628)	-1.9455 [-6.5649]	-3.4378 (1.8795)	-3.4762 [-6.6285]	0.0016	-1.0640 (1.8741)	-2.9041 [-6.5229]	0.2790
7	1.9574 (1.9926)	-1.9456 [-6.5484]	-2.8403 (1.9525)	-3.4772 [-6.5615]	0.0085	-0.9534 (2.0040)	-2.9048 [-6.5031]	0.3230
8	2.1442 (1.9442)	-1.9457 [-6.4805]	-2.6513 (1.9364)	-3.4783 [-6.4810]	0.0139	-0.9400 (1.9569)	-2.9055 [-6.4348]	0.3267
9	2.3046 (1.9388)	-1.9458 [-6.4189]	-2.4091 (1.9418)	-3.4793 [-6.3986]	0.0236	-0.7195 (1.9430)	-2.9062 [-6.3663]	0.4423

หมายเหตุ : ตัวเลขในวงเล็บ () คือ ค่า Durbin – Watson Statistics

: ตัวเลขในวงเล็บ [] คือ ค่า Schwarz criterion

: ระดับนัยสำคัญ 5 %

ที่มา : จากการคำนวณ

ผลการทดสอบ Unit Root ของข้อมูลรายได้ประชากรของประเทศญี่ปุ่น ณ อันดับ I(1)

lag	Without trend and Intercept		With trend and Intercept			With Intercept		
	ADF	5 % critical value	ADF	5 % critical value	Prob. trend	ADF	5 % critical value	Prob. Constant
0	-5.8117* (2.0377)	-1.9452 [-6.8516]	-6.2731* (1.9454)	-3.4716 [-6.8002]	0.4098	-6.2317* (1.9501)	-2.9012 [-6.8488]	0.0466*
1	-4.4536* (1.9662)	-1.9453 [-6.7874]	-4.9211* (1.9070)	-3.4725 [-6.7305]	0.4659	-4.8899* (1.9026)	-2.9017 [-6.7815]	0.0552
2	-2.8858* (1.8757)	-1.9453 [-6.7561]	-3.1267 (1.8561)	-3.4734 [-6.6721]	0.4426	-3.1058* (1.8454)	-2.9023 [-6.7226]	0.1856
3	-3.0845* (1.8902)	-1.9454 [-6.7035]	-3.4273 (1.8967)	-3.4743 [-6.6293]	0.5816	-3.1058* (1.8454)	-2.9029 [-6.7226]	0.1856
4	-2.6140* (1.9019)	-1.9455 [-6.6402]	-3.0504 (1.8758)	-3.4753 [-6.5726]	0.4456	-3.0864* (1.8621)	-2.9035 [-6.6239]	0.0929
5	-2.2303* (1.8802)	-1.9455 [-6.5983]	-2.4672 (1.8700)	-3.4762 [-6.5101]	0.5620	-2.5127 (1.8629)	-2.9041 [-6.5659]	0.1825
6	-2.4085* (1.9649)	-1.9456 [-6.5486]	-3.0155 (2.0021)	-3.4772 [-6.4933]	0.5703	-3.0993* (1.9935)	-2.9048 [-6.5498]	0.0523
7	-2.2715* (1.9467)	-1.9457 [-6.4670]	-3.0294 (1.9538)	-3.4783 [-6.4255]	0.5557	-3.1398* (1.9450)	-2.9055 [-6.4821]	0.0343
8	-2.2556* (1.9595)	-1.9458 [-6.3918]	-3.1320 (1.9417)	-3.4793 [-6.3600]	0.6838	-3.2402* (1.9391)	-2.9062 [-6.4204]	0.0238
9	-1.9475* (1.9616)	-1.9459 [-6.3156]	-2.7677 (1.9419)	-3.4804 [-6.2727]	0.6893	-2.8893 (1.9357)	-2.9069 [-6.3339]	0.0356

หมายเหตุ : ตัวเลขในวงเล็บ () คือ ค่า Durbin – Watson Statistics

: ตัวเลขในวงเล็บ [] คือ ค่า Schwarz criterion

: ระดับนัยสำคัญ 5 %

ที่มา : จากการคำนวณ

ผลการทดสอบ Unit Root ของข้อมูลรายได้ประชากรติของประเทศมาเลเซีย ณ อันดับ I(0)

lag	Without trend and Intercept		With trend and Intercept			With Intercept		
	ADF	5 % critical value	ADF	5 % critical value	Prob. trend	ADF	5 % critical value	Prob. Constant
0	5.3645 (1.5046)	-1.9451 [-4.6889]	1.8986 (1.5478)	-3.4708 [-4.6780]	0.0959	-1.8460 (1.5801)	-2.9006 [-4.6968]	0.0294
1	3.3884 (1.6878)	-1.9452 [-4.6393]	-2.2844 (1.7259)	-3.4716 [-4.6390]	0.0540	-1.8437 (1.7305)	-2.9012 [-4.6437]	0.0356
2	3.7578 (1.6849)	-1.9453 [-4.6048]	-2.1089 (1.7242)	-3.4725 [-4.6091]	0.0838	-1.9993 (1.7316)	-2.9017 [-4.6236]	0.0211
3	2.5938 (1.8520)	-1.9453 [-4.5825]	-2.6021 (1.9189)	-3.4734 [-4.6090]	0.0271	-1.9472 (1.8729)	-2.9023 [-4.5938]	0.0301
4	1.8821 (1.6958)	-1.9454 [-4.5520]	2.6772 (1.6896)	-3.4743 [-4.5686]	0.0192	-1.6308 (1.7161)	-2.9029 [-4.5423]	0.0714
5	2.5240 (1.8059)	-1.9455 [-4.5586]	-2.5869 (1.8618)	-3.4753 [-4.5968]	0.0288	2.0419 (1.8945)	-2.9035 [-4.5798]	0.0236
6	2.7787 (1.7706)	-1.9455 [-4.5748]	-1.9468 (1.7563)	-3.4762 [-4.5643]	0.1043	-1.7649 (1.7774)	-2.9041 [-4.5813]	0.0427
7	2.0139 (1.8515)	-1.9456 [-4.5327]	-2.2000 (1.8906)	-3.4772 [-4.5263]	0.0580	-1.5985 (1.8714)	-2.9048 [-4.5258]	0.0725
8	1.82419 (1.8515)	-1.9457 [-4.5327]	-2.3337 (1.8756)	-3.4783 [-4.4557]	0.0436	-1.6276 (1.8770)	-2.9055 [-4.4451]	0.0708
9	1.8986 (1.8490)	-1.9458 [-4.3722]	-2.4212 (1.9004)	-3.4793 [-4.3966]	0.0381	-1.7849 (1.9027)	-2.9062 [-4.3797]	0.0492

หมายเหตุ : ตัวเลขในวงเล็บ () คือ ค่า Durbin – Watson Statistics

: ตัวเลขในวงเล็บ [] คือ ค่า Schwarz criterion

: ระดับนัยสำคัญ 5 %

ที่มา : จากการคำนวณ

ผลการทดสอบ Unit Root ของข้อมูลรายได้ประชากรของประเทศมาเลเซีย ณ อันดับ I(1)

lag	Without trend and Intercept		With trend and Intercept			With Intercept		
	ADF	5 % critical value	ADF	5 % critical value	Prob. trend	ADF	5 % critical value	Prob. Constant
0	-4.8604* (1.7951)	-1.9452 [-4.5495]	-6.4730* (1.7225)	-3.4716 [-4.6253]	0.1578	-6.3278* (1.6923)	-2.9012 [-4.6551]	0.0006*
1	-4.1850* (1.7937)	-1.9453 [-4.4798]	-6.3033* (1.7248)	-3.4725 [-4.6045]	0.1102	-6.0747* (1.6896)	-2.9017 [-4.6261]	0.0002*
2	-2.5421* (1.9959)	-1.9453 [-4.5475]	-4.1126* (1.8610)	-3.4734 [-4.5707]	0.1449	-3.8635* (1.8453)	-2.9023 [-4.5981]	0.0064*
3	-2.0136* (1.7093)	-1.9454 [-4.5597]	-3.0746 (1.7138)	-3.4743 [-4.5225]	0.2528	-2.8809 (1.6977)	-2.9029 [-4.5622]	0.0429*
4	-2.2341* (1.7580)	-1.9455 [-4.5244]	-3.9224* (1.8827)	-3.4753 [-4.5550]	0.1171	-3.6046* (1.8220)	-2.9035 [-4.5764]	0.0075*
5	-2.4752* (1.8214)	-1.9455 [-4.5188]	-4.2123* (1.7793)	-3.4762 [-4.5644]	0.1583	-3.9367* (1.7695)	-2.9041 [-4.5929]	0.0039*
6	-1.8142 (1.9240)	-1.9456 [-4.5294]	-3.0932 (1.8639)	-3.4772 [-4.5082]	0.2288	-2.8441 (1.8486)	-2.9048 [-4.5455]	0.0310*
7	-1.6029 (1.8593)	-1.9457 [-4.4570]	-2.8273 (1.8685)	-3.4783 [-4.4256]	0.2258	-2.5578 (1.8415)	-2.9055 [-4.4624]	0.0478*
8	-1.5293 (1.8588)	-1.9458 [-4.3733]	-2.9317 (1.8921)	-3.4793 [-4.3570]	0.1756	-2.6012 (1.8548)	-2.9062 [-4.3869]	0.0386*
9	-1.4576 (1.8699)	-1.9459 [-4.2899]	-2.8863 (1.8710)	-3.4804 [-4.2751]	0.1676	-2.5290 (1.8438)	-2.9069 [-4.3031]	0.0419*

หมายเหตุ : ตัวเลขในวงเล็บ () คือ ค่า Durbin – Watson Statistics

: ตัวเลขในวงเล็บ [] คือ ค่า Schwarz criterion

: ระดับนัยสำคัญ 5 %

ที่มา : จากการคำนวณ

ผลการทดสอบ Unit Root ของข้อมูลรายได้ประชากรของประเทศสิงคโปร์ ณ อันดับ I(0)

lag	Without trend and Intercept		With trend and Intercept			With Intercept		
	ADF	5 % critical value	ADF	5 % critical value	Prob. trend	ADF	5 % critical value	Prob. constant
0	4.5355 (1.8108)	-1.9451 [-4.2370]	-2.3742 (1.7826)	-3.4708 [-4.2428]	0.0388	-1.7935 (1.8859)	-2.9006 [-4.2407]	0.0352
1	3.5710 (1.9202)	-1.9452 [-4.1967]	-2.2300 (1.8851)	-3.4716 [-4.1809]	0.0477	-1.4774 (1.9363)	-2.9012 [-4.1827]	0.0778
2	4.4210 (1.9604)	-1.9453 [-4.2154]	-1.6705 (1.9774)	-3.4725 [-4.1891]	0.1592	-1.6776 (2.0109)	-2.9017 [-4.2186]	0.0394
3	4.15234 (1.7901)	-1.9453 [-4.1522]	-1.5384 (1.7824)	-3.4734 [-4.1293]	0.2066	-1.7693 (1.7788)	-2.9023 [-4.1644]	0.0291
4	1.8831 (1.6901)	-1.9454 [-4.2701]	-2.3565 (1.7389)	-3.4743 [-4.2783]	0.0404	-1.7954 (1.7151)	-2.9029 [-4.2722]	0.0453
5	2.4506 (2.0013)	-1.9455 [-4.2609]	-1.8874 (1.9963)	-3.4753 [-4.2450]	0.1059	-1.6941 (2.0350)	-2.9035 [-4.2632]	0.0472
6	2.7821 (1.8751)	-1.9455 [-4.2105]	-1.7414 (1.8927)	-3.4762 [-4.2026]	0.1468	-1.8465 (1.9012)	-2.9041 [-4.2285]	0.0284
7	2.0833 (1.9993)	-1.9456 [-4.1489]	-1.9492 (2.0111)	-3.4772 [-4.1451]	0.0970	-1.7863 (1.9875)	-2.9048 [-4.1593]	0.0395
8	1.1745 (1.8172)	-1.9457 [-4.1522]	-2.6597 (1.8819)	-3.4783 [-4.1987]	0.0208	-1.9204 (1.8487)	-2.9055 [-4.1652]	0.0385
9	1.3969 (1.9969)	-1.9458 [-4.0904]	-2.5156 (1.9881)	-3.4793 [-4.1358]	0.0295	-1.9629 (2.0530)	-2.9062 [-4.1108]	0.0325

หมายเหตุ : ตัวเลขในวงเล็บ () คือ ค่า Durbin – Watson Statistics

: ตัวเลขในวงเล็บ [] คือ ค่า Schwarz criterion

: ระดับนัยสำคัญ 5 %

ที่มา : จากการคำนวณ

ผลการทดสอบ Unit Root ของข้อมูลรายได้ประชากรของประเทศสิงคโปร์ ณ อันดับ I(1)

lag	Without trend and Intercept		With trend and Intercept			With Intercept		
	ADF	5 % critical value	ADF	5 % critical value	Prob. trend	ADF	5 % critical value	Prob. constant
0	-6.5234* (1.9422)	-1.9452 [-4.0918]	-8.0850* (1.9386)	-3.4716 [-4.1704]	0.2594	-7.9905* (1.92497)	-2.9012 [-4.2106]	0.0004*
1	-5.5586* (1.9358)	-1.9453 [-4.0279]	-8.0055* (2.0108)	-3.4725 [-4.2077]	0.1578	-7.8238* (1.9760)	-2.9017 [-4.2373]	0.0000*
2	-3.8666* (2.1216)	-1.9453 [-3.9856]	-6.4220* (1.7779)	-3.4734 [-4.1535]	0.1283	-6.1867* (1.7762)	-2.9023 [-4.1781]	0.0000*
3	-1.8368 (1.7715)	-1.9454 [-4.2778]	-3.0692 (1.7068)	-3.4743 [-4.2551]	0.1551	-2.8119 (1.6855)	-2.9029 [-4.2838]	0.0375*
4	-2.0983* (1.9651)	-1.9455 [-4.2319]	-3.6978* (2.0364)	-3.4753 [-4.2498]	0.1627	-3.4509* (2.0122)	-2.9035 [-4.2793]	0.0088*
5	-2.0770* (1.9372)	-1.9455 [-4.1542]	-4.0721* (1.8992)	-3.4762 [-4.2146]	0.1176	-3.7654* (1.8768)	-2.9041 [-4.2355]	0.0031*
6	-1.5916 (2.1259)	-1.9456 [-4.1411]	-3.1725 (1.9839)	-3.4772 [-4.1437]	0.1405	-2.8540 (1.9836)	-2.9048 [-4.1686]	0.0209*
7	-1.1095 (1.8428)	-1.9457 [-4.1914]	-2.1692 (1.8390)	-3.4783 [-4.1425]	0.1330	-1.7982 (1.8149)	-2.9055 [-4.1653]	0.1469
8	-1.2022 (1.9729)	-1.9458 [-4.1196]	-2.4541 (2.0523)	-3.4793 [-4.0885]	0.1157	-2.0462 (2.0084)	-2.9062 [-4.1066]	0.0942
9	-1.5082 (1.8466)	-1.9459 [-4.1076]	-3.3828 (1.9120)	-3.4804 [-4.1506]	0.0601	-2.8510 (1.8642)	-2.9069 [-4.1476]	0.0182*

หมายเหตุ : ตัวเลขในวงเล็บ () คือ ค่า Durbin – Watson Statistics

: ตัวเลขในวงเล็บ [] คือ ค่า Schwarz criterion

: ระดับนัยสำคัญ 5 %

ที่มา : จากการคำนวณ

ผลการทดสอบ Unit Root ของข้อมูลรายได้ประชากรของประเทศสหรัฐอเมริกา ณ
อันดับ I(0)

lag	Without trend and Intercept		With trend and Intercept			With Intercept		
	ADF	5 % critical value	ADF	5 % critical value	Prob. trend	ADF	5 % critical value	Prob. constant
0	9.1640 (1.4344)	-1.9451 [-7.3010]	-0.6262 (1.4293)	-3.4708 [-7.2065]	0.5823	-0.7649 (1.4518)	-2.9006 [-7.2598]	0.2757
1	4.4088 (1.8026)	-1.9452 [-7.2711]	-0.7403 (1.8157)	-3.4716 [-7.1811]	0.5179	-0.9504 (1.8263)	-2.9012 [-7.2333]	0.2307
2	3.3338 (1.7617)	-1.9453 [-7.2222]	-0.7654 (1.7757)	-3.4725 [-7.1385]	0.5133	-1.1606 (1.7917)	-2.9017 [-7.1910]	0.1694
3	3.1781 (1.8173)	-1.9453 [-7.2108]	-0.4757 (1.8696)	-3.4734 [-7.1456]	0.7474	-1.6480 (1.8783)	-2.9023 [-7.2034]	0.0629
4	2.8529 (1.7081)	-1.9454 [-7.1881]	-0.4818 (1.7760)	-3.4743 [-7.1564]	0.7797	-2.1865 (1.7829)	-2.9029 [-7.2152]	0.0177
5	2.4962 (1.7664)	-1.9455 [-7.1171]	-0.3871 (1.7851)	-3.4753 [-7.0786]	0.8478	-2.0900 (1.7912)	-2.9035 [-7.1387]	0.0233
6	2.3548 (1.7524)	-1.9455 [-7.0413]	-0.2269 (1.7836)	-3.4762 [-7.0039]	0.9749	-2.0968 (1.7845)	-2.9041 [-7.0652]	0.0231
7	1.9480 (1.7502)	-1.9456 [-6.9690]	-0.4086 (1.7700)	-3.4772 [-6.9394]	0.8375	-2.2040 (1.7752)	-2.9048 [-7.0007]	0.0191
8	1.7533 (1.7521)	-1.9457 [-6.9121]	-0.2371 (1.7627)	-3.4783 [-6.8645]	0.9557	-1.9575 (1.7637)	-2.9055 [-6.9272]	0.0360
9	1.2410 (1.8084)	-1.9458 [-6.8470]	-0.4647 (1.8427)	-3.4793 [-6.8021]	0.7814	-2.0055 (1.8444)	-2.9062 [-6.8641]	0.0360

หมายเหตุ : ตัวเลขในวงเล็บ () คือ ค่า Durbin – Watson Statistics

: ตัวเลขในวงเล็บ [] คือ ค่า Schwarz criterion

: ระดับนัยสำคัญ 5 %

ที่มา : จากการคำนวณ

ผลการทดสอบ Unit Root ของข้อมูลรายได้ประชากรของประเทศสหรัฐอเมริกา ณ
อันดับ I(1)

lag	Without trend and Intercept		With trend and Intercept			With Intercept		
	ADF	5 % critical value	ADF	5 % critical value	Prob. trend	ADF	5 % critical value	Prob. constant
0	-3.5915* (2.2146)	-1.9452 [-7.0902]	-6.0013* (1.8260)	-3.4716 [-7.2315]	0.3816	-6.0228* (1.8042)	-2.9012 [-7.2788]	0.0000*
1	-2.3029* (1.9346)	-1.9453 [-7.1336]	-4.2308* (1.7925)	-3.4725 [-7.1887]	0.2793	-4.2208* (1.7637)	-2.9017 [-7.2304]	0.0010*
2	-1.7597 (1.9391)	-1.9453 [-7.1317]	-3.9027* (1.8809)	-3.4734 [-7.2016]	0.1124	-3.8220* (1.8218)	-2.9023 [-7.2231]	0.0014*
3	-1.3129 (1.7919)	-1.9454 [-7.1318]	-3.5813* (1.7862)	-3.4743 [-7.2129]	0.0354*	-3.3599* (1.7121)	-2.9029 [-7.2043]	0.0032*
4	-1.1981 (1.8302)	-1.9455 [-7.0849]	-3.2797 (1.7969)	-3.4753 [-7.1369]	0.0435*	-2.9778* (1.7656)	-2.9035 [-7.1324]	0.0088*
5	-1.1430 (1.8206)	-1.9455 [-7.0170]	-3.2229 (1.7897)	-3.4762 [-7.0644]	0.0414	-2.8262 (1.7509)	-2.9041 [-7.0570]	0.0125
6	-0.9513 (1.8108)	-1.9456 [-6.9697]	-2.8902 (1.7797)	-3.4772 [-6.9986]	0.0338	-2.3765 (1.7464)	-2.9048 [-6.9837]	0.0334
7	-1.0269 (1.8203)	-1.9457 [-6.9232]	-2.6962 (1.7668)	-3.4783 [-6.9262]	0.0570	-2.1883 (1.7462)	-2.9055 [-6.9249]	0.0543
8	-0.8721 (1.8699)	-1.9458 [-6.8833]	-2.2124 (1.8446)	-3.4793 [-6.8616]	0.0542	-1.6442 (1.8012)	-2.9062 [-6.8570]	0.1508
9	-0.7900 (1.7674)	-1.9459 [-6.8338]	-1.8061 (1.7615)	-3.4804 [-6.7937]	0.0574	-1.2044 (1.7405)	-2.9069 [-6.7891]	0.3066

หมายเหตุ : ตัวเลขในวงเล็บ () คือ ค่า Durbin – Watson Statistics
: ตัวเลขในวงเล็บ [] คือ ค่า Schwarz criterion
: ระดับนัยสำคัญ 5 %

ที่มา : จากการคำนวณ

ผลการทดสอบ Unit Root ของข้อมูลอัตราเงินเฟ้อภายในประเทศ ณ อันดับ I(0)

lag	Without trend and Intercept		With trend and Intercept			With Intercept		
	ADF	5 % critical value	ADF	5 % critical value	Prob. trend	ADF	5 % critical value	Prob. constant
0	7.2580 (1.2779)	-1.9451 [-6.1930]	-1.4991 (1.3594)	-3.4708 [-6.1810]	0.2809	-2.2462 (1.3743)	-2.9006 [-6.2223]	0.0121
1	3.3599 (1.7167)	-1.9452 [-6.2084]	-1.5771 (1.7237)	-3.4716 [-6.1719]	0.2202	-1.8513 (1.7280)	-2.9012 [-6.2084]	0.0429
2	3.3702 (1.7834)	-1.9453 [-6.1486]	-1.5672 (1.8210)	-3.4725 [-6.1228]	0.2374	-2.0133 (1.8352)	-2.9017 [-6.1609]	0.0273
3	3.1229 (1.7695)	-1.9453 [-6.1146]	-1.2843 (1.7594)	-3.4734 [-6.0649]	0.3411	-1.7194 (1.7655)	-2.9023 [-6.1104]	0.0553
4	2.1296 (1.6356)	-1.9454 [-6.1141]	-1.7498 (1.6711)	-3.4743 [-6.0755]	0.1549	-1.6548 (1.6784)	-2.9029 [-6.1037]	0.0734
5	2.6534 (1.7804)	-1.9455 [-6.1260]	-1.1913 (1.7974)	-3.4753 [-6.0720]	0.3914	-1.6909 (1.8184)	-2.9035 [-6.1208]	0.0626
6	2.4129 (1.8022)	-1.9455 [-6.0497]	-1.2884 (1.8258)	-3.4762 [-6.0072]	0.3586	-1.8451 (1.8242)	-2.9041 [-6.0544]	0.0457
7	1.6709 (1.8805)	-1.9456 [-6.0381]	-1.5028 (1.8900)	-3.4772 [-5.9837]	0.2315	-1.5065 (1.8823)	-2.9048 [-6.0208]	0.1056
8	1.3817 (1.8507)	-1.9457 [-5.9659]	-1.7030 (1.8771)	-3.4783 [-5.9202]	0.1629	-1.5001 (1.8681)	-2.9055 [-5.9479]	0.1118
9	1.1335 (1.7927)	-1.9458 [-5.9060]	-1.8334 (1.7888)	-3.4793 [-5.8592]	0.1172	-1.2911 (1.8095)	-2.9062 [-5.8768]	0.1717

หมายเหตุ : ตัวเลขในวงเล็บ () คือ ค่า Durbin – Watson Statistics

: ตัวเลขในวงเล็บ [] คือ ค่า Schwarz criterion

: ระดับนัยสำคัญ 5 %

ที่มา : จากการคำนวณ

ผลการทดสอบ Unit Root ของข้อมูลอัตราเงินเฟ้อภายในประเทศ ณ อันดับ I(1)

lag	Without trend and Intercept		With trend and Intercept			With Intercept		
	ADF	5 % critical value	ADF	5 % critical value	Prob. trend	ADF	5 % critical value	Prob. constant
0	-3.8560* (1.9790)	-1.9452 [-6.1209]	-5.6134* (1.7263)	-3.4716 [-6.1951]	0.1224	-5.3865* (1.7118)	-2.9012 [-6.2195]	0.0008*
1	-3.0873* (1.8184)	-1.9453 [-6.0570]	-5.1091* (1.8321)	-3.4725 [-6.1461]	0.0888	-4.8226* (1.7895)	-2.9017 [-6.1625]	0.0007*
2	-2.7363* (1.8704)	-1.9453 [-6.0399]	-4.6015* (1.7674)	-3.4734 [-6.0996]	0.1426	-4.3372* (1.7659)	-2.9023 [-6.1266]	0.0017*
3	-1.7609 (1.6584)	-1.9454 [-6.1076]	-3.1433 (1.6711)	-3.4743 [-6.0888]	0.1920	-2.8739 (1.6386)	-2.9029 [-6.1225]	0.0268*
4	-2.1367* (1.7591)	-1.9455 [-6.0823]	-3.8552* (1.8208)	-3.4753 [-6.1101]	0.1467	-3.5420* (1.7861)	-2.9035 [-6.1371]	0.0068*
5	-1.7736 (1.8903)	-1.9455 [-6.0214]	-3.5338* (1.8199)	-3.4762 [-6.0412]	0.1145	-3.1373* (1.7998)	-2.9041 [-6.0614]	0.0125*
6	-1.3998 (1.9400)	-1.9456 [-6.0547]	-2.5384 (1.8795)	-3.4772 [-6.0075]	0.2317	-2.2406 (1.8766)	-2.9048 [-6.0451]	0.0772
7	-1.2103 (1.8861)	-1.9457 [-5.9963]	-2.1917 (1.8623)	-3.4783 [-5.9325]	0.2512	-1.8841 (1.8491)	-2.9055 [-5.9719]	0.1372
8	-1.1747 (1.7990)	-1.9458 [-5.9468]	-1.8508 (1.8076)	-3.4793 [-5.8623]	0.3603	-1.6188 (1.7934)	-2.9062 [-5.9104]	0.2201
9	-1.2229 (1.7215)	-1.9459 [-5.8821]	-2.1670 (1.7288)	-3.4804 [-5.8173]	0.2720	-1.8732 (1.7082)	-2.9069 [-5.8585]	0.1402

หมายเหตุ : ตัวเลขในวงเล็บ () คือ ค่า Durbin – Watson Statistics

: ตัวเลขในวงเล็บ [] คือ ค่า Schwarz criterion

: ระดับนัยสำคัญ 5 %

ที่มา : จากการคำนวณ

ผลการทดสอบ Unit Root ของข้อมูลอัตราเงินเฟ้อรวมของประเทศคู่ค้าทั้ง 5 ประเทศ ณ
อันดับ I(0)

lag	Without trend and Intercept		With trend and Intercept			With Intercept		
	ADF	5 % critical value	ADF	5 % critical value	Prob. trend	ADF	5 % critical value	Prob. constant
0	-1.2448 (1.9662)	-1.9451 [-0.7166]	-2.6841 (1.8058)	-3.4708 [-0.7585]	0.5546	-2.6522 (1.8090)	-2.9006 [-0.8112]	0.0009
1	-1.0768 (1.6300)	-1.9452 [-0.6845]	-2.1724 (1.6409)	-3.4716 [-0.6911]	0.6810	-2.1671 (1.6320)	-2.9012 [-0.7469]	0.0036
2	-1.3192 (1.6132)	-1.9453 [-0.6780]	-2.5065 (1.7611)	-3.4725 [-0.7180]	0.9507	-2.6178 (1.7634)	-2.9017 [-0.7767]	0.0010
3	-1.4617 (1.3638)	-1.9453 [-0.6702]	-2.0507 (1.4211)	-3.4734 [-0.8601]	0.7399	-2.1087 (1.4163)	-2.9023 [-0.9178]	0.0000
4	-1.2263 (1.7277)	-1.9454 [-0.8736]	-3.4169 (1.6705)	-3.4743 [-0.9150]	0.8158	-2.5100 (1.6721)	-2.9029 [-0.9742]	0.0013
5	-1.0551 (1.6607)	-1.9455 [-0.8129]	-3.1685 (1.6811)	-3.4753 [-0.8362]	0.8154	-2.2351 (1.6870)	-2.9035 [-0.8960]	0.0027
6	-0.9408 (1.6401)	-1.9455 [-0.7393]	-3.0886 (1.6963)	-3.4762 [-0.7594]	0.8188	-2.1446 (1.7021)	-2.9041 [-0.8199]	0.0034
7	-0.8827 (1.6101)	-1.9456 [-0.6590]	-3.3106 (1.6198)	-3.4772 [-0.7028]	0.8523	-2.3616 (1.6212)	-2.9048 [-0.7642]	0.0018
8	-0.9092 (1.5165)	-1.9457 [-0.7458]	-2.5733 (1.5255)	-3.4783 [-0.7358]	0.5205	-2.6338 (1.5351)	-2.9055 [-0.7912]	0.0134
9	-0.7289 (1.7011)	-1.9458 [-0.7216]	-2.9930 (1.7611)	-3.4793 [-0.7458]	0.7259	-2.0322 (1.7732)	-2.9062 [-0.8070]	0.0044

หมายเหตุ : ตัวเลขในวงเล็บ () คือ ค่า Durbin – Watson Statistics

: ตัวเลขในวงเล็บ [] คือ ค่า Schwarz criterion

: ระดับนัยสำคัญ 5 %

ที่มา : จากการคำนวณ

ผลการทดสอบ Unit Root ของข้อมูลอัตราเงินเฟ้อรวมของประเทศคู่ค้าทั้ง 5 ประเทศ ณ
อันดับ I(1)

lag	Without trend and Intercept		With trend and Intercept			With Intercept		
	ADF	5 % critical value	ADF	5 % critical value	Prob. trend	ADF	5 % critical value	Prob. constant
0	-8.7544* (1.6181)	-1.9452 [-0.7267]	-8.5804* (1.6225)	-3.4716 [-0.6150]	0.8966	-8.7145* (1.6248)	-2.9012 [-0.6729]	0.5791
1	-6.2705* (1.5810)	-1.9453 [-0.7122]	-6.2226* (1.5792)	-3.4725 [-0.6105]	0.4723	-6.2483* (1.5953)	-2.9017 [-0.6618]	0.4464
2	-3.5794* (1.3466)	-1.9453 [-0.6987]	-3.5412* (1.3502)	-3.4734 [-0.5927]	0.6121	-3.5864* (1.3566)	-2.9023 [-0.6483]	0.4368
3	-5.3395* (1.7104)	-1.9454 [-0.9111]	-5.2011* (1.7165)	-3.4743 [-0.8075]	0.5060	-5.3548* (1.7247)	-2.9029 [-0.8607]	0.4271
4	-4.6069* (1.6471)	-1.9455 [-0.8563]	-4.4273* (1.6420)	-3.4753 [-0.7468]	0.5961	-4.6248* (1.6559)	-2.9035 [-0.8030]	0.4950
5	-4.0436* (1.6244)	-1.9455 [-0.7865]	-3.8529* (1.6224)	-3.4762 [-0.6732]	0.6423	-4.0585* (1.6336)	-2.9041 [-0.7310]	0.5483
6	-3.4136* (1.5908)	-1.9456 [-0.7081]	-3.2444* (1.5997)	-3.4772 [-0.5917]	0.6878	-3.4282* (1.6030)	-2.9048 [-0.6510]	0.5866
7	-4.6924* (1.5010)	-1.9457 [-0.7944]	-4.5544* (1.5000)	-3.4783 [-0.6868]	0.4408	-4.7098* (1.5121)	-2.9055 [-0.7391]	0.5136
8	-3.0876* (1.6917)	-1.9458 [-0.7757]	-2.9405 (1.6815)	-3.4793 [-0.6558]	0.6671	-3.0973* (1.6968)	-2.9062 [-0.7159]	0.6504
9	-3.6898* (1.7438)	-1.9459 [-0.7573]	-3.6588* (1.7242)	-3.4804 [-0.6506]	0.3226	-3.6833* (1.7466)	-2.9069 [-0.6962]	0.6854

หมายเหตุ : ตัวเลขในวงเล็บ () คือ ค่า Durbin – Watson Statistics

: ตัวเลขในวงเล็บ [] คือ ค่า Schwarz criterion

: ระดับนัยสำคัญ 5 %

ที่มา : จากการคำนวณ

ผลการทดสอบ Unit Root ของข้อมูลอัตราเงินเฟ้อของประเทศไทย ณ อันดับ I(0)

lag	Without trend and Intercept		With trend and Intercept			With Intercept		
	ADF	5 % critical value	ADF	5 % critical value	Prob. trend	ADF	5 % critical value	Prob. constant
0	-1.3375 (2.6269)	-1.9451 [-6.0570]	-3.2085 (2.4905)	-3.4708 [-6.0124]	0.0336	-2.3925 (2.5737)	-2.9006 [-6.0068]	0.4626
1	-1.2733 (1.9448)	-1.9452 [-6.1582]	-1.9935 (1.9524)	-3.4716 [-6.0968]	0.0507	-1.1002 (1.9439)	-2.9012 [-6.1001]	0.9663
2	-1.2433 (1.9753)	-1.9453 [-6.0927]	-2.1671 (2.0171)	-3.4725 [-6.0468]	0.0283	-1.1258 (1.9767)	-2.9017 [-6.0343]	0.8739
3	-1.6589 (1.9135)	-1.9453 [-6.1051]	-2.7968 (1.9478)	-3.4734 [-6.0835]	0.0126	1.5946 (1.9131)	-2.9023 [-6.0480]	0.6973
4	-1.4384 (1.9450)	-1.9454 [-6.0385]	-2.6532 (1.9578)	-3.4743 [-6.0183]	0.0124	-1.3571 (1.9425)	-2.9029 [-5.9799]	0.7625
5	-1.4680 (1.9870)	-1.9455 [-5.9811]	-2.5189 (1.9911)	-3.4753 [-5.9459]	0.0217	-1.3073 (1.9855)	-2.9035 [-5.9210]	0.8564
6	-1.5435 (1.9647)	-1.9455 [-5.9106]	-2.5866 (2.0015)	-3.4762 [-5.8764]	0.0221	-1.3544 (1.9645)	-2.9041 [-5.8497]	0.8691
7	-1.6790 (1.9450)	-1.9456 [-5.8611]	-3.2450 (2.0157)	-3.4772 [-5.8811]	0.0044	-1.5951 (1.9443)	-2.9048 [-5.8018]	0.6900
8	-1.4209 (1.9607)	-1.9457 [-5.7913]	-3.2410 (1.9605)	-3.4783 [-5.8306]	0.0026	-1.3363 (1.9554)	-2.9055 [-5.7304]	0.7441
9	-1.2435 (1.9971)	-1.9458 [-5.7578]	-2.6577 (1.9701)	-3.4793 [-5.7515]	0.0110	-0.9964 (1.9968)	-2.9062 [-5.6943]	0.9895

หมายเหตุ : ตัวเลขในวงเล็บ () คือ ค่า Durbin – Watson Statistics

: ตัวเลขในวงเล็บ [] คือ ค่า Schwarz criterion

: ระดับนัยสำคัญ 5 %

ที่มา: จากการคำนวณ

ผลการทดสอบ Unit Root ของข้อมูลอัตราเงินเฟ้อของประเทศไทย ณ อันดับ I(1)

lag	Without trend and Intercept		With trend and Intercept			With Intercept		
	ADF	5 % critical value	ADF	5 % critical value	Prob. trend	ADF	5 % critical value	Prob. constant
0	-13.667* (1.9736)	-1.9452 [-6.1941]	-13.681* (1.9982)	-3.4716 [-6.0998]	0.2790	-13.624* (1.9780)	-2.9012 [-6.1413]	0.5348
1	-7.0026* (1.9642)	-1.9453 [-6.1297]	-7.1076* (1.9708)	-3.4725 [-6.0388]	0.2131	-6.9868* (1.9631)	-2.9017 [-6.0749]	0.5975
2	-3.4555* (1.9027)	-1.9453 [-6.1249]	-3.5702* (1.9095)	-3.4734 [-6.0309]	0.2469	-3.4610* (1.9056)	-2.9023 [-6.0702]	0.5733
3	-3.5419* (1.9564)	-1.9454 [-6.0677]	-3.6459* (1.9656)	-3.4743 [-5.9740]	0.2335	-3.5385* (1.9581)	-2.9029 [-6.0120]	0.5937
4	-3.1154* (1.9848)	-1.9455 [-6.0087]	-3.1896 (1.9892)	-3.4753 [-5.9091]	0.3338	-3.1155* (1.9902)	-2.9035 [-5.9549]	0.5087
5	-2.6956* (1.9537)	-1.9455 [-5.9343]	-2.7563 (1.9603)	-3.4762 [-5.8320]	0.3951	-2.7003 (1.9579)	-2.9041 [-5.8815]	0.4691
6	-2.0834* (1.9504)	-1.9456 [-5.8773]	-2.1570 (1.9621)	-3.4772 [-5.7763]	0.3223	-2.0883 (1.9506)	-2.9048 [-5.8216]	0.5367
7	-2.3092* (1.9880)	-1.9457 [-5.8198]	-2.3836 (2.0010)	-3.4783 [-5.7215]	0.2658	-2.3089 (1.9894)	-2.9055 [-5.7623]	0.5825
8	-2.6683* (2.0063)	-1.9458 [-5.7941]	-2.7374 (2.0142)	-3.4793 [-5.6921]	0.3558	-2.6766 (2.0142)	-2.9062 [-5.7399]	0.4713
9	-2.5313* (1.9869)	-1.9459 [-5.7189]	-2.6031 (1.9946)	-3.4804 [-5.6142]	0.4439	-2.5563 (1.9938)	-2.9069 [-5.6672]	0.4114

หมายเหตุ : ตัวเลขในวงเล็บ () คือ ค่า Durbin – Watson Statistics

: ตัวเลขในวงเล็บ [] คือ ค่า Schwarz criterion

: ระดับนัยสำคัญ 5 %

ที่มา : จากการคำนวณ

ผลการทดสอบ Unit Root ของข้อมูลอัตราเงินเฟ้อของประเทศไทยปี ๒๕๖๑-๒๕๖๓ อันดับ I(0)

lag	Without trend and Intercept		With trend and Intercept			With Intercept		
	ADF	5 % critical value	ADF	5 % critical value	Prob. trend	ADF	5 % critical value	Prob. constant
0	1.8449 (2.3197)	-1.9451 [-7.4234]	-3.8814* (2.6750)	-3.4708 [-7.5746]	0.4979	-4.6450* (2.6331)	-2.9006 [-7.6257]	0.0000*
1	2.0509 (1.8315)	-1.9452 [-7.4583]	-4.0748* (1.7808)	-3.4716 [-7.6507]	0.2020	-4.8313* (1.7685)	-2.9012 [-7.6854]	0.0000*
2	1.1446 (1.8929)	-1.9453 [-7.5841]	-3.5382* (1.8654)	-3.4725 [-7.6680]	0.4579	-3.8304* (1.8664)	-2.9017 [-7.7186]	0.0003*
3	1.1012 (1.9712)	-1.9453 [-7.5753]	-3.1710 (1.8605)	-3.4734 [-7.6288]	0.2824	-3.3437* (1.8728)	-2.9023 [-7.6706]	0.0013*
4	0.5593 (1.9780)	-1.9454 [-7.7591]	-2.2657 (1.9514)	-3.4743 [-7.7167]	0.9416	-2.2878 (1.9527)	-2.9029 [-7.7767]	0.0253*
5	0.5331 (1.9446)	-1.9455 [-7.6879]	-2.1308 (1.9518)	-3.4753 [-7.6373]	0.9336	-2.1467 (1.9510)	-2.9035 [-7.6979]	0.0355*
6	0.4456 (1.9091)	-1.9455 [-7.6180]	-2.0847 (1.9258)	-3.4762 [-7.5660]	0.9257	-2.1112 (1.9278)	-2.9041 [-7.6273]	0.0387*
7	0.5334 (1.8635)	-1.9456 [-7.5619]	-2.0223 (1.8684)	-3.4772 [-7.5061]	0.7809	-2.0209 (1.8653)	-2.9048 [-7.5668]	0.0477*
8	0.3452 (1.8547)	-1.9457 [-7.5214]	-2.1168 (1.8742)	-3.4783 [-7.4746]	0.9561	-2.1596 (1.8746)	-2.9055 [-7.5373]	0.0349*
9	0.3913 (1.9235)	-1.9458 [-7.4769]	-1.8032 (1.9201)	-3.4793 [-7.4089]	0.9310	-1.8245 (1.9182)	-2.9062 [-7.4722]	0.0733

หมายเหตุ : ตัวเลขในวงเล็บ () คือ ค่า Durbin – Watson Statistics

: ตัวเลขในวงเล็บ [] คือ ค่า Schwarz criterion

: ระดับนัยสำคัญ 5 %

ที่มา : จากการคำนวณ

ผลการทดสอบ Unit Root ของข้อมูลอัตราเงินเฟ้อของประเทศไทยปี ๒๕๖๑-๒๕๖๓ อันดับ I(1)

lag	Without trend and Intercept		With trend and Intercept			With Intercept		
	ADF	5 % critical value	ADF	5 % critical value	Prob. trend	ADF	5 % critical value	Prob. constant
0	-10.248* (1.8789)	-1.9452 [-7.4597]	-11.422* (1.8063)	-3.4716 [-7.4960]	0.0097*	-10.669* (1.8309)	-2.9012 [-7.4593]	0.0421*
1	-4.2332* (1.9131)	-1.9453 [-7.6244]	-4.6630* (1.8713)	-3.4725 [-7.5578]	0.1388	-4.3889* (1.8925)	-2.9017 [-7.5846]	0.2508
2	-4.3230* (1.9928)	-1.9453 [-7.6170]	-4.6399* (1.9371)	-3.4734 [-7.5464]	0.1566	-4.4513* (1.9708)	-2.9023 [-7.5757]	0.2700
3	-3.2358* (1.9864)	-1.9454 [-7.8144]	-2.8279 (1.9745)	-3.4743 [-7.6996]	0.8763	-3.2129* (1.9779)	-2.9029 [-7.7593]	0.5730
4	-3.1346* (1.9483)	-1.9455 [-7.7441]	-2.6568 (1.9449)	-3.4753 [-7.6273]	0.9606	-3.1131* (1.9446)	-2.9035 [-7.6880]	0.5914
5	-2.7936* (1.9107)	-1.9455 [-7.6762]	-2.1992 (1.9051)	-3.4762 [-7.5575]	0.8327	-2.7680 (1.9091)	-2.9041 [-7.6181]	0.6531
6	-2.9480* (1.8671)	-1.9456 [-7.6192]	-2.4845 (1.8642)	-3.4772 [-7.5000]	0.9299	-2.9492 (1.8634)	-2.9048 [-7.5620]	0.5919
7	-2.4014* (1.8583)	-1.9457 [-7.5821]	-1.7800 (1.8534)	-3.4783 [-7.4604]	0.7550	-2.3749 (1.8547)	-2.9055 [-7.5214]	0.7269
8	-2.7501* (1.9248)	-1.9458 [-7.5376]	-2.1518 (1.9202)	-3.4793 [-7.4139]	0.8777	-2.7265 (1.9234)	-2.9062 [-7.4769]	0.6936
9	-2.3873* (1.9470)	-1.9459 [-7.4539]	-1.8919 (1.9432)	-3.4804 [-7.3288]	0.9009	-2.3888 (1.9464)	-2.9069 [-7.3928]	0.6870

หมายเหตุ : ตัวเลขในวงเล็บ () คือ ค่า Durbin – Watson Statistics

: ตัวเลขในวงเล็บ [] คือ ค่า Schwarz criterion

: ระดับนัยสำคัญ 5 %

ที่มา : จากการคำนวณ

ผลการทดสอบ Unit Root ของข้อมูลอัตราเงินเฟ้อของประเทศไทยเดือน ธันวาคม อันดับ I(0)

lag	Without trend and Intercept		With trend and Intercept			With Intercept		
	ADF	5 % critical value	ADF	5 % critical value	Prob. trend	ADF	5 % critical value	Prob. constant
0	-4.2782* (1.8725)	-1.9451 [-6.6581]	-7.4230* (1.8344)	-3.4708 [-6.8947]	0.3100	-7.3787* (1.8155)	-2.9006 [-6.9379]	0.0000*
1	-2.9708* (1.8220)	-1.9452 [-6.6275]	-6.3161* (1.8309)	-3.4716 [-6.8469]	0.2077	-6.1626* (1.7963)	-2.9012 [-6.8823]	0.0000*
2	-1.6895 (1.9077)	-1.9453 [-6.6773]	-4.7644* (1.8131)	-3.4725 [-6.8086]	0.1432	-4.4905* (1.7909)	-2.9017 [-6.8356]	0.0001*
3	-0.9785 (1.7894)	-1.9453 [-6.7817]	-3.0012 (1.7968)	-3.4734 [-6.7801]	0.4312	-2.9377* (1.7855)	-2.9023 [-6.8300]	0.0074*
4	-0.9777 (1.7769)	-1.9454 [-6.7150]	-3.0802 (1.8203)	-3.4743 [-6.7251]	0.3466	-3.0080* (1.7979)	-2.9029 [-6.7712]	0.0062*
5	-0.9033 (1.8041)	-1.9455 [-6.6801]	-2.5652 (1.8154)	-3.4753 [-6.6597]	0.5469	-2.6777 (1.8065)	-2.9035 [-6.7145]	0.0147*
6	-0.8089 (1.8167)	-1.9455 [-6.6039]	-2.5278 (1.8168)	-3.4762 [-6.5830]	0.4768	-2.5825 (1.8037)	-2.9041 [-6.6359]	0.0175*
7	-0.5711 (1.8748)	-1.9456 [-6.5776]	-1.9462 (1.8466)	-3.4772 [-6.5211]	0.6022	-2.0390 (1.8441)	-2.9048 [-6.5784]	0.0551
8	-0.5748 (1.8130)	-1.9457 [-6.5528]	-1.4066 (1.8174)	-3.4783 [-6.4727]	0.9276	-1.7252 (1.8165)	-2.9055 [-6.5353]	0.1099
9	-0.7524 (1.8287)	-1.9458 [-6.4933]	-1.5221 (1.8439)	-3.4793 [-6.4252]	0.9956	-1.9766 (1.8439)	-2.9062 [-6.4887]	0.0733

หมายเหตุ : ตัวเลขในวงเล็บ () คือ ค่า Durbin – Watson Statistics

: ตัวเลขในวงเล็บ [] คือ ค่า Schwarz criterion

: ระดับนัยสำคัญ 5 %

ที่มา : จากการคำนวณ

ผลการทดสอบ Unit Root ของข้อมูลอัตราเงินเฟ้อของประเทศไทยเฉีย ณ อันดับ I(1)

lag	Without trend and Intercept		With trend and Intercept			With Intercept		
	ADF	5 % critical value	ADF	5 % critical value	Prob. trend	ADF	5 % critical value	Prob. constant
0	-10.065* (1.8945)	-1.9452 [-6.5700]	-9.8241* (1.8959)	-3.4716 [-6.4541]	0.8853	-9.9706* (1.8950)	-2.9012 [-6.5120]	0.9240
1	-9.6205* (1.9556)	-1.9453 [-6.6961]	-9.3749* (1.9566)	-3.4725 [-6.5793]	0.9398	-9.5438* (1.9559)	-2.9017 [-6.6380]	0.8338
2	-9.4596* (1.7864)	-1.9453 [-6.8271]	-9.2948* (1.7836)	-3.4734 [-6.7116]	0.6721	-9.3704* (1.7848)	-2.9023 [-6.7848]	0.8411
3	-6.4442* (1.7690)	-1.9454 [-6.7606]	-6.3735* (1.7640)	-3.4743 [-6.6469]	0.5323	-6.3820* (1.7677)	-2.9029 [-6.7009]	0.8856
4	-5.9934* (1.7952)	-1.9455 [-6.7281]	-5.9951* (1.7893)	-3.4753 [-6.6195]	0.3708	-5.9358* (1.7947)	-2.9035 [-6.6674]	0.9628
5	-4.8834* (1.8122)	-1.9455 [-6.6548]	-4.8980* (1.8002)	-3.4762 [-6.5432]	0.4133	-4.8446* (1.8115)	-2.9041 [-6.5935]	0.9423
6	-5.1088* (1.8734)	-1.9456 [-6.6342]	-5.1046* (1.8652)	-3.4772 [-6.5199]	0.4547	-5.0679* (1.8724)	-2.9048 [-6.5724]	0.9110
7	-5.2790* (1.8041)	-1.9457 [-6.6099]	-5.3140* (1.8023)	-3.4783 [-6.5007]	0.3368	-5.2339* (1.8042)	-2.9055 [-6.5471]	0.9918
8	-4.0594* (1.8158)	-1.9458 [-6.5467]	-4.1766* (1.8189)	-3.4793 [-6.4466]	0.2284	-4.0261* (1.8176)	-2.9062 [-6.4835]	0.9013
9	-4.1881* (1.8484)	-1.9459 [-6.4942]	-4.3995* (1.8594)	-3.4804 [-6.4074]	0.1439	-4.1582* (1.8517)	-2.9069 [-6.4309]	0.8194

หมายเหตุ : ตัวเลขในวงเล็บ () คือ ค่า Durbin – Watson Statistics

: ตัวเลขในวงเล็บ [] คือ ค่า Schwarz criterion

: ระดับนัยสำคัญ 5 %

ที่มา : จากการคำนวณ

ผลการทดสอบ Unit Root ของข้อมูลอัตราเงินเฟ้อของประเทศสิงคโปร์ ณ อันดับ I(0)

lag	Without trend and Intercept		With trend and Intercept			With Intercept		
	ADF	5 % critical value	ADF	5 % critical value	Prob. trend	ADF	5 % critical value	Prob. constant
0	7.0472 (0.8018)	-1.9451 [0.8018]	-1.2287 (0.7917)	-3.4708 [-7.5145]	0.2629	-0.5019 (0.8015)	-2.9006 [-7.5546]	0.5460
1	2.6703 (2.1102)	-1.9452 [-7.9801]	-2.1057 (2.1825)	-3.4716 [-7.9261]	0.0463	-0.5581 (2.1112)	-2.9012 [-7.9272]	0.5453
2	2.2734 (1.8983)	-1.9453 [-7.9164]	-2.3309 (1.8995)	-3.4725 [-7.8768]	0.0261	-0.5235 (1.8993)	-2.9017 [-7.8623]	0.5732
3	2.4528 (1.9455)	-1.9453 [-7.9477]	-1.4791 (1.9279)	-3.4734 [-7.8663]	0.1179	0.1171 (1.9464)	-2.9023 [-7.8884]	0.9430
4	2.1495 (1.9936)	-1.9454 [-7.8781]	-1.6802 (2.0041)	-3.4743 [-7.8059]	0.0811	0.0363 (1.9937)	-2.9029 [-7.8181]	0.9975
5	2.1690 (1.9887)	-1.9455 [-7.8043]	-1.7474 (1.9986)	-3.4753 [-7.7339]	0.0779	-0.1299 (1.9896)	-2.9035 [-7.7441]	0.8663
6	1.7420 (1.9968)	-1.9455 [-7.7325]	-1.7161 (2.0048)	-3.4762 [-7.6663]	0.0673	0.1390 (1.9974)	-2.9041 [-7.6713]	0.9134
7	1.6612 (1.9974)	-1.9456 [-7.6515]	-1.7762 (2.0028)	-3.4772 [-7.5888]	0.0602	0.0696 (1.9972)	-2.9048 [-7.5894]	0.9660
8	1.6402 (1.9959)	-1.9457 [-7.5704]	-1.7000 (1.9984)	-3.4783 [-7.5047]	0.0687	0.1135 (1.9968)	-2.9055 [-7.5077]	0.9301
9	1.4186 (1.9578)	-1.9458 [-7.5056]	-1.4487 (1.9540)	-3.4793 [-7.4405]	0.0819	0.5638 (1.9587)	-2.9062 [-7.4474]	0.5895

หมายเหตุ : ตัวเลขในวงเล็บ () คือ ค่า Durbin – Watson Statistics

: ตัวเลขในวงเล็บ [] คือ ค่า Schwarz criterion

: ระดับนัยสำคัญ 5 %

ที่มา : จากการคำนวณ

ผลการทดสอบ Unit Root ของข้อมูลอัตราเงินเฟ้อของประเทศสิงคโปร์ ณ อันดับ I(1)

lag	Without trend and Intercept		With trend and Intercept			With Intercept		
	ADF	5 % critical value	ADF	5 % critical value	Prob. trend	ADF	5 % critical value	Prob. constant
0	-3.1699* (2.2614)	-1.9452 [-7.9439]	-4.2213* (2.1104)	-3.4716 [-7.9229]	0.9358	-4.2539* (2.1098)	-2.9012 [-7.9810]	0.0091*
1	-2.4140* (1.9093)	-1.9453 [-7.9040]	-3.3410* (1.8979)	-3.4725 [-7.8587]	0.8679	-3.3749* (1.8984)	-2.9017 [-7.9171]	0.0254*
2	-2.7813* (1.9356)	-1.9453 [-7.9223]	-3.7066* (1.9499)	-3.4734 [-7.8931]	0.5675	-3.7762* (1.9449)	-2.9023 [-7.9476]	0.0168*
3	-1.9647* (2.0013)	-1.9454 [-7.8705]	-2.8420 (1.9908)	-3.4743 [-7.8228]	0.5792	-2.9473* (1.9939)	-2.9029 [-7.8781]	0.0353*
4	-1.7009 (1.9986)	-1.9455 [-7.7941]	-2.6358 (1.9875)	-3.4753 [-7.7465]	0.6803	-2.7849 (1.9889)	-2.9035 [-7.8045]	0.0336*
5	-0.9744 (2.0136)	-1.9455 [-7.7461]	-1.5994 (2.0022)	-3.4762 [-7.6797]	0.4689	-1.9769 (1.9967)	-2.9041 [-7.7324]	0.0869
6	-0.7526 (1.9989)	-1.9456 [-7.6686]	-1.2841 (1.9959)	-3.4772 [-7.5979]	0.4800	-1.7867 (1.9975)	-2.9048 [-7.6514]	0.1021
7	-0.7161 (2.0080)	-1.9457 [-7.5878]	-1.1768 (2.0036)	-3.4783 [-7.5171]	0.4616	-1.7538 (1.9957)	-2.9055 [-7.5703]	0.1067
8	-0.5794 (1.9545)	-1.9458 [-7.5338]	-0.6476 (1.9599)	-3.4793 [-7.4659]	0.2509	-1.4925 (1.9578)	-2.9062 [-7.5052]	0.1641
9	-0.4991 (1.9886)	-1.9459 [-7.4626]	-0.8057 (1.9866)	-3.4804 [-7.3888]	0.4247	-1.5551 (1.9969)	-2.9069 [-7.4409]	0.1312

หมายเหตุ : ตัวเลขในวงเล็บ () คือ ค่า Durbin – Watson Statistics

: ตัวเลขในวงเล็บ [] คือ ค่า Schwarz criterion

: ระดับนัยสำคัญ 5 %

ที่มา : จากการคำนวณ

ผลการทดสอบ Unit Root ของข้อมูลอัตราเงินเฟ้อของประเทศสหรัฐอเมริกา ณ อันดับ I(0)

lag	Without trend and Intercept		With trend and Intercept			With Intercept		
	ADF	5 % critical value	ADF	5 % critical value	Prob. trend	ADF	5 % critical value	Prob. constant
0	-1.7419 (1.9632)	-1.9451 [2.4670]	-3.4681 (1.8145)	-3.4708 [2.4457]	0.5186	-2.6247 (1.8187)	-2.9006 [2.3939]	0.0021
1	-1.4988 (1.6375)	-1.9452 [2.5035]	-3.1565 (1.6422)	-3.4716 [2.5126]	0.6487	-2.1445 (1.6326)	-2.9012 [2.4574]	0.0067
2	-1.7983 (1.6344)	-1.9453 [2.5015]	-3.4146 (1.7621)	-3.4725 [2.4801]	0.9795	-2.6337 (1.7631)	-2.9017 [2.4214]	0.0020
3	-1.7442 (1.3720)	-1.9453 [2.4983]	-3.0493 (1.4224)	-3.4734 [2.3368]	0.6862	-2.1009 (1.4164)	-2.9023 [2.2799]	0.0000
4	-1.6238 (1.7320)	-1.9454 [2.3075]	-3.4454 (1.6742)	-3.4743 [2.2789]	0.8476	-2.5460 (1.6754)	-2.9029 [2.2195]	0.0020
5	-1.3926 (1.6727)	-1.9455 [2.3700]	-3.1796 (1.6860)	-3.4753 [2.3579]	0.8561	-2.2497 (1.6907)	-2.9035 [2.2978]	0.0039
6	-1.2647 (1.6550)	-1.9455 [2.4458]	-3.1170 (1.7053)	-3.4762 [2.4338]	0.8502	-2.1774 (1.7102)	-2.9041 [2.3731]	0.0044
7	-1.1944 (1.6207)	-1.9456 [2.5257]	-3.3359 (1.6227)	-3.4772 [2.4899]	0.9002	-2.3887 (1.6237)	-2.9048 [2.4281]	0.0022
8	-1.1761 (1.5313)	-1.9457 [2.4400]	-2.6263 (1.5357)	-3.4783 [2.4541]	0.5459	-2.6971 (1.5445)	-2.9055 [2.3980]	0.0149
9	-0.9876 (1.7185)	-1.9458 [2.4655]	-3.0003 (1.7689)	-3.4793 [2.4484]	0.7634	-2.0439 (1.7793)	-2.9062 [2.3866]	0.0053

หมายเหตุ : ตัวเลขในวงเล็บ () คือ ค่า Durbin – Watson Statistics

: ตัวเลขในวงเล็บ [] คือ ค่า Schwarz criterion

: ระดับนัยสำคัญ 5 %

ที่มา : จากการคำนวณ

ผลการทดสอบ Unit Root ของข้อมูลอัตราเงินเฟ้อของประเทศสหรัฐอเมริกา ณ อันดับ I(1)

lag	Without trend and Intercept		With trend and Intercept			With Intercept		
	ADF	5 % critical value	ADF	5 % critical value	Prob. trend	ADF	5 % critical value	Prob. constant
0	-8.7932* (1.6227)	-1.9452 [2.4761]	-8.6238* (1.6272)	-3.4716 [2.5875]	0.8846	-8.7563* (1.6297)	-2.9012 [2.5296]	0.5654
1	-6.3150* (1.5827)	-1.9453 [2.4879]	-6.2806* (1.5811)	-3.4725 [2.5883]	0.4540	-6.2988* (1.5975)	-2.9017 [2.5377]	0.4280
2	-3.5665* (1.3498)	-1.9453 [2.4986]	-3.5363* (1.3532)	-3.4734 [2.6041]	0.6070	-3.5794* (1.3599)	-2.9023 [2.5486]	0.4275
3	-5.3316* (1.7137)	-1.9454 [2.2867]	-5.2080* (1.7206)	-3.4743 [2.3891]	0.4933	-5.3545* (1.7290)	-2.9029 [2.3363]	0.4093
4	-4.5843* (1.6558)	-1.9455 [2.3392]	-4.4097* (1.6506)	-3.4753 [2.4483]	0.5980	-4.6081* (1.6647)	-2.9035 [2.3920]	0.4815
5	-4.0274* (1.6327)	-1.9455 [2.4099]	-3.8463* (1.6309)	-3.4762 [2.5226]	0.6376	-4.0484* (1.6423)	-2.9041 [2.4649]	0.5298
6	-3.3830* (1.5956)	-1.9456 [2.4871]	-3.2143 (1.6048)	-3.4772 [2.6034]	0.6969	-3.4021* (1.6081)	-2.9048 [2.5439]	0.5764
7	-4.6591* (1.5108)	-1.9457 [2.4009]	-4.5313* (1.5110)	-3.4783 [2.3087]	0.4406	-4.6846* (1.5229)	-2.9055 [2.4553]	0.4899
8	-3.0958* (1.7055)	-1.9458 [2.4193]	-2.9446 (1.6954)	-3.4793 [2.5391]	0.6761	-3.1089* (1.7104)	-2.9062 [2.4788]	0.6386
9	-3.6625* (1.7395)	-1.9459 [2.4421]	-3.6421* (1.7189)	-3.4804 [2.5481]	0.3212	-3.6620* (1.7425)	-2.9069 [2.5026]	0.6570

หมายเหตุ : ตัวเลขในวงเล็บ () คือ ค่า Durbin – Watson Statistics

: ตัวเลขในวงเล็บ [] คือ ค่า Schwarz criterion

: ระดับนัยสำคัญ 5 %

ที่มา : จากการคำนวณ

ผลการทดสอบ Unit Root ของข้อมูลอัตราดอกเบี้ยระยะสั้นภายในประเทศ ณ อันดับ I(0)

lag	Without trend and Intercept		With trend and Intercept			With Intercept		
	ADF	5 % critical value	ADF	5 % critical value	Prob. trend	ADF	5 % critical value	Prob. constant
0	-1.2721 (1.1841)	-1.9451 [-9.3021]	-1.8087 (1.1452)	-3.4708 [-9.2206]	0.1278	-0.9403 (1.1777)	-2.9006 [-9.2457]	0.7657
1	-1.5812 (2.0919)	-1.9452 [-9.4474]	-2.6317 (2.1675)	-3.4716 [-9.4015]	0.0445	-1.6478 (2.1122)	-2.9012 [-9.4016]	0.3516
2	-1.7821 (1.9836)	-1.9453 [-9.3972]	-2.8528 (1.9690)	-3.4725 [-9.3632]	0.0353	-1.9036 (1.9779)	-2.9017 [-9.3563]	0.2688
3	-2.0462* (2.0365)	-1.9453 [-9.4025]	-2.3134 (2.0070)	-3.4734 [-9.3328]	0.1207	-1.8653 (2.0284)	-2.9023 [-9.3554]	0.3649
4	-2.0204* (2.0130)	-1.9454 [-9.3317]	-2.1725 (1.9814)	-3.4743 [-9.2554]	0.1475	-1.7850 (2.0006)	-2.9029 [-9.2824]	0.4060
5	-1.7776 (1.8856)	-1.9455 [-9.3260]	-1.6619 (1.8736)	-3.4753 [-9.2291]	0.2506	-1.3160 (1.8802)	-2.9035 [-9.2683]	0.6619
6	-2.1989* (1.7424)	-1.9455 [-9.3113]	-1.6576 (1.7544)	-3.4762 [-9.2095]	0.3404	-1.6722 (1.7467)	-2.9041 [-9.2556]	0.5585
7	-1.4503 (2.0068)	-1.9456 [-9.3691]	-2.1556 (2.0492)	-3.4772 [-9.3022]	0.0840	-1.2528 (2.0032)	-2.9048 [-9.3124]	0.5785
8	-1.3102 (1.9784)	-1.9457 [-9.3105]	-1.9547 (2.0003)	-3.4783 [-9.2357]	0.1020	-1.0224 (1.9766)	-2.9055 [-9.2503]	0.7081
9	-1.0910 (1.8823)	-1.9458 [-9.2545]	-2.4857 (1.9288)	-3.4793 [-9.2231]	0.0265	-0.9615 (1.8819)	-2.9062 [-9.1946]	0.6586

หมายเหตุ : ตัวเลขในวงเล็บ () คือ ค่า Durbin – Watson Statistics

: ตัวเลขในวงเล็บ [] คือ ค่า Schwarz criterion

: ระดับนัยสำคัญ 5 %

ที่มา : จากการคำนวณ

ผลการทดสอบ Unit Root ของข้อมูลอัตราดอกเบี้ยระยะสั้นภายในประเทศ ณ อันดับ I(1)

lag	Without trend and Intercept		With trend and Intercept			With Intercept		
	ADF	5 % critical value	ADF	5 % critical value	Prob. trend	ADF	5 % critical value	Prob. constant
0	-5.7248* (2.0708)	-1.9452 [-9.4715]	-5.7255* (2.0737)	-3.4716 [-9.3653]	0.7633	-5.7627* (2.0708)	-2.9012 [-9.4222]	0.4246
1	-4.5364* (1.9770)	-1.9453 [-9.4116]	-4.5898* (1.9842)	-3.4725 [-9.3089]	0.6118	-4.6074* (1.9827)	-2.9017 [-9.3639]	0.3812
2	-5.0364* (2.0159)	-1.9453 [-9.4021]	-5.1995* (2.0380)	-3.4734 [-9.3142]	0.4286	-5.1875* (2.0326)	-2.9023 [-9.3642]	0.2287
3	-4.4823* (2.0141)	-1.9454 [-9.3317]	-4.6982* (2.0208)	-3.4743 [-9.2442]	0.4281	-4.6621* (2.0234)	-2.9029 [-9.2945]	0.2210
4	-4.6829* (1.8918)	-1.9455 [-9.3385]	-4.8726* (1.8923)	-3.4753 [-9.2462]	0.5761	-4.8662* (1.8962)	-2.9035 [-9.3019]	0.2157
5	-4.1125* (1.7279)	-1.9455 [-9.2975]	-4.5040* (1.7356)	-3.4762 [-9.2260]	0.3357	-4.4151* (1.7301)	-2.9041 [-9.2721]	0.1371
6	-2.8312* (2.0327)	-1.9456 [-9.3967]	-2.9344 (2.0160)	-3.4772 [-9.2872]	0.7985	-2.9648* (2.0222)	-2.9048 [-9.3482]	0.3705
7	-3.0035* (1.9858)	-1.9457 [-9.3441]	-3.0517 (1.9824)	-3.4783 [-9.2324]	0.8877	-3.1184* (1.9839)	-2.9055 [-9.2948]	0.3787
8	-2.5356* (1.8862)	-1.9458 [-9.2969]	-2.4849 (1.8856)	-3.4793 [-9.1782]	0.9012	-2.5939 (1.8846)	-2.9062 [-9.2414]	0.5066
9	-2.3889* (1.9980)	-1.9459 [-9.2608]	-2.5203 (2.0108)	-3.4804 [-9.1479]	0.7775	-2.5378 (2.0069)	-2.9069 [-9.2106]	0.3866

หมายเหตุ : ตัวเลขในวงเล็บ () คือ ค่า Durbin – Watson Statistics

: ตัวเลขในวงเล็บ [] คือ ค่า Schwarz criterion

: ระดับนัยสำคัญ 5 %

ที่มา : จากการคำนวณ

ผลการทดสอบ Unit Root ของข้อมูลอัตราดอกเบี้ยระยะสั้นรวมของประเทศคู่ค้าทั้ง 5 ประเทศ ณ อันดับ I(0)

lag	Without trend and Intercept		With trend and Intercept			With Intercept		
	ADF	5 % critical value	ADF	5 % critical value	Prob. trend	ADF	5 % critical value	Prob. constant
0	-2.8198* (1.2566)	-1.9451 [-12.263]	-1.0199 (1.2431)	-3.4708 [-12.151]	0.6990	-1.4361 (1.2537)	-2.9006 [-12.206]	0.8067
1	-2.3897* (1.8858)	-1.9452 [-12.347]	-1.8287 (1.9380)	-3.4716 [-12.257]	0.2365	-1.6320 (1.8883)	-2.9012 [-12.295]	0.5260
2	-2.0481* (1.8345)	-1.9453 [-12.285]	-1.8574 (1.8620)	-3.4725 [-12.198]	0.1795	-1.3924 (1.8285)	-2.9017 [-12.230]	0.5966
3	-2.3282* (1.8017)	-1.9453 [-12.251]	-2.0262 (1.8390)	-3.4734 [-12.169]	0.1776	-1.7494 (1.8013)	-2.9023 [-12.200]	0.4366
4	-1.8203 (1.9255)	-1.9454 [-12.214]	-2.1104 (1.9606)	-3.4743 [-12.142]	0.0965	-1.3188 (1.9158)	-2.9029 [-12.158]	0.5812
5	-1.7595 (1.8926)	-1.9455 [-12.154]	-1.8501 (1.9131)	-3.4753 [-12.070]	0.1421	-1.1622 (1.8874)	-2.9035 [-12.096]	0.6838
6	-1.8619 (1.9289)	-1.9455 [-12.086]	-1.8847 (1.9456)	-3.4762 [-12.003]	0.1474	-1.3019 (1.9247)	-2.9041 [-12.029]	0.6124
7	-2.1476* (1.8066)	-1.9456 [-12.039]	-1.6362 (1.8125)	-3.4772 [-11.942]	0.2694	-1.5151 (1.8007)	-2.9048 [-11.983]	0.5517
8	-1.7410 (1.8597)	-1.9457 [-12.022]	-1.5507 (1.9129)	-3.4783 [-11.925]	0.2220	-1.0483 (1.8555)	-2.9055 [-11.961]	0.7817
9	-1.5817 (1.8796)	-1.9458 [-11.955]	-2.0243 (1.9962)	-3.4793 [-11.886]	0.0876	-1.0777 (1.8776)	-2.9062 [-11.894]	0.7000

หมายเหตุ : ตัวเลขในวงเล็บ () คือ ค่า Durbin – Watson Statistics

: ตัวเลขในวงเล็บ [] คือ ค่า Schwarz criterion

: ระดับนัยสำคัญ 5 %

ที่มา : จากการคำนวณ

ผลการทดสอบ Unit Root ของข้อมูลอัตราดอกเบี้ยระยะสั้นรวมของประเทศคู่ค้าทั้ง 5 ประเทศ ณ อันดับ I(1)

lag	Without trend and Intercept		With trend and Intercept			With Intercept		
	ADF	5 % critical value	ADF	5 % critical value	Prob. trend	ADF	5 % critical value	Prob. constant
0	-5.3023* (1.8955)	-1.9452 [-12.329]	-5.7208* (1.8701)	-3.4716 [-12.268]	0.3936	-5.6704* (1.8845)	-2.9012 [-12.316]	0.0722
1	-4.0473* (1.8476)	-1.9453 [-12.285]	-4.3603* (1.8333)	-3.4725 [-12.207]	0.5618	-4.3728* (1.8459)	-2.9017 [-12.261]	0.1211
2	-3.4178* (1.7882)	-1.9453 [-12.233]	-3.9252* (1.7883)	-3.4734 [-12.168]	0.3705	-3.8317* (1.7967)	-2.9023 [-12.215]	0.0957
3	-2.7893* (1.9420)	-1.9454 [-12.225]	-3.0328 (1.9300)	-3.4743 [-12.135]	0.6806	-3.1080* (1.9413)	-2.9029 [-12.192]	0.1812
4	-2.8785* (1.8889)	-1.9455 [-12.167]	-3.0783 (1.8932)	-3.4753 [-12.077]	0.6918	-3.2003* (1.8990)	-2.9035 [-12.135]	0.1772
5	-2.5551* (1.9100)	-1.9455 [-12.093]	-2.8770 (1.9240)	-3.4762 [-12.006]	0.5759	-2.9231 (1.9274)	-2.9041 [-12.063]	0.1657
6	-2.5646* (1.7856)	-1.9456 [-12.027]	-3.1252 (1.8003)	-3.4772 [-11.959]	0.3611	-3.0344* (1.8061)	-2.9048 [-12.007]	0.1142
7	-2.5754* (1.8790)	-1.9457 [-12.034]	-2.7994 (1.8586)	-3.4783 [-11.946]	0.6377	-2.9489 (1.8745)	-2.9055 [-12.004]	0.1670
8	-2.0053* (1.8892)	-1.9458 [-11.975]	-2.1961 (1.8750)	-3.4793 [-11.876]	0.7238	-2.3432 (1.8853)	-2.9062 [-11.937]	0.2339
9	-1.8418 (1.8233)	-1.9459 [-11.966]	-1.7032 (1.8319)	-3.4804 [-11.852]	0.9398	-2.0311 (1.8299)	-2.9069 [-11.916]	0.3852

หมายเหตุ : ตัวเลขในวงเล็บ () คือ ค่า Durbin – Watson Statistics

: ตัวเลขในวงเล็บ [] คือ ค่า Schwarz criterion

: ระดับนัยสำคัญ 5 %

ที่มา : จากการคำนวณ

ผลการทดสอบ Unit Root ของข้อมูลอัตราดอกเบี้ยระยะสั้นของประเทศไทย ณ อันดับ I(0)

lag	Without trend and Intercept		With trend and Intercept			With Intercept		
	ADF	5 % critical value	ADF	5 % critical value	Prob. trend	ADF	5 % critical value	Prob. constant
0	-1.2756 (1.2113)	-1.9451 [-10.262]	-1.2127 (1.1971)	-3.4708 [-10.150]	0.6789	-1.4784 (1.2067)	-2.9006 [-10.206]	0.7301
1	-1.5136 (1.838)	-1.9452 [-10.347]	-1.8373 (1.9042)	-3.4716 [-10.262]	0.1484	-1.1050 1.8351)	-2.9012 [-10.291]	0.7177
2	-1.303543 (1.7658)	-1.9453 [-10.309]	-1.7076 (1.8162)	-3.4725 [-10.224]	0.1396	-0.8398 (1.7638)	-2.9017 [-10.251]	0.8578
3	-1.3052 (1.8363)	-1.9453 [-10.266]	-2.0886 (1.9043)	-3.4734 [-10.199]	0.0698	-0.9911 (1.8346)	-2.9023 [-10.208]	0.7239
4	-1.3117 (1.7903)	-1.9454 [-10.190]	-2.1587 (1.8481)	-3.4743 [-10.128]	0.0612	-1.0138 1.7864)	-2.9029 [-10.132]	0.7072
5	-1.0655 (1.7835)	-1.9455 [-10.145]	-2.3571 (1.8941)	-3.4753 [-10.105]	0.0272	-0.8121 (1.7807)	-2.9035 [-10.086]	0.7701
6	-1.0539 (1.7288)	-1.9455 [-10.118]	-3.0693 (1.7956)	-3.4762 [10.133]	0.0051	-1.0643 (1.7208)	-2.9041 [-10.062]	0.5520
7	-1.2015 (1.8098)	-1.9456 [-10.088]	-2.5556 (1.8252)	-3.4772 [-10.060]	0.0200	-0.9251 1.8010)	-2.9048 [-10.028]	0.7288
8	-1.2516 (1.7942)	-1.9457 [-10.011]	-2.6548 (1.8546)	-3.4783 [-9.9907]	0.0172	-0.9984 (1.7871)	-2.9055 [-9.9512]	0.6852
9	-1.1948 (1.7966)	-1.9458 [-9.9297]	-2.6525 (1.8841)	-3.4793 [-9.9144]	0.0154	-0.8899 (1.7904)	-2.9062 [-9.8681]	0.7506

หมายเหตุ : ตัวเลขในวงเล็บ () คือ ค่า Durbin – Watson Statistics

: ตัวเลขในวงเล็บ [] คือ ค่า Schwarz criterion

: ระดับนัยสำคัญ 5 %

ที่มา : จากการคำนวณ

ผลการทดสอบ Unit Root ของข้อมูลอัตราดอกเบี้ยระยะสั้นของประเทศไทย ณ อันดับ I(1)

lag	Without trend and Intercept		With trend and Intercept			With Intercept		
	ADF	5 % critical value	ADF	5 % critical value	Prob. trend	ADF	5 % critical value	Prob. constant
0	-5.4367* (1.8535)	-1.9452 [-10.374]	-5.4076* (1.8480)	-3.4716 [-10.273]	0.9841	-5.5474* (1.8488)	-2.9012 [-10.332]	0.2829
1	-5.0327* (1.7694)	-1.9453 [-10.344]	-4.9430* (1.7780)	-3.4725 [-10.241]	0.8522	-5.1319* 1.7728)	-2.9017 [-10.299]	0.3191
2	-3.4084* (1.8285)	-1.9453 [-10.300]	-3.3662 (1.8398)	-3.4734 [-10.194]	0.8239	-3.5170* (1.8354)	-2.9023 [-10.253]	0.3668
3	-3.0070* (1.7852)	-1.9454 [-10.225]	-2.9856 (1.7970)	-3.4743 [-10.117]	0.8464	-3.1251* (1.7930)	-2.9029 [-10.177]	0.3707
4	-2.9692* (1.7854)	-1.9455 [-10.189]	-2.8476 (1.8033)	-3.4753 [-10.080]	0.6208	-3.0494* (1.7880)	-2.9035 [-10.136]	0.4615
5	-2.1877* (1.7174)	-1.9455 [-10.161]	-2.0878 (1.7334)	-3.4762 [-10.048]	0.6053	-2.2483 (1.7267)	-2.9041 [-10.105]	0.5716
6	-2.3501* (1.7941)	-1.9456 [-10.126]	-2.3559 (1.8187)	-3.4772 [-10.015]	0.7428	-2.4735 (1.8143)	-2.9048 [-10.076]	0.4095
7	-2.1284* (1.7832)	-1.9457 [-10.047]	-2.1785 (1.8015)	-3.4783 [-9.9349]	0.8112	-2.2672 (1.7972)	-2.9055 [-9.9966]	0.4018
8	-2.1452* (1.7921)	-1.9458 [-9.9680]	-2.1951 1.8109)	-3.4793 [-9.8554]	0.7663	-2.2882 (1.8034)	-2.9062 [-9.9172]	0.4005
9	-1.9152 (1.7557)	-1.9459 [-9.8891]	-1.9523 (1.7779)	-3.4804 [-9.7730]	0.7291	-2.0388 (1.7712)	-2.9069 [-9.8350]	0.4625

หมายเหตุ : ตัวเลขในวงเล็บ () คือ ค่า Durbin – Watson Statistics

: ตัวเลขในวงเล็บ [] คือ ค่า Schwarz criterion

: ระดับนัยสำคัญ 5 %

ที่มา : จากการคำนวณ

ผลการทดสอบ Unit Root ของข้อมูลอัตราดอกเบี้ยระยะสั้นของประเทศไทยใน ณ อันดับ

I(0)

lag	Without trend and Intercept		With trend and Intercept			With Intercept		
	ADF	5 % critical value	ADF	5 % critical value	Prob. trend	ADF	5 % critical value	Prob. constant
0	-1.7323 (1.3730)	-1.9451 [-12.082]	-0.7934 (1.3804)	-3.4708 [-11.967]	0.8994	-1.2710 (1.3758)	-2.9006 [-12.024]	0.8980
1	-2.7861* (2.1618)	-1.9452 [-12.341]	-1.3246 (2.1603)	-3.4716 [-12.226]	0.7383	-2.2548 (2.1628)	-2.9012 [-12.283]	0.9148
2	-2.9233* (1.9954)	-1.9453 [-12.317]	-1.7097 (1.9956)	-3.4725 [-12.201]	0.9432	-2.5112 (1.9964)	-2.9017 [-12.259]	0.7659
3	-3.3287* (2.0325)	-1.9453 [-12.283]	-1.8007 (2.0324)	-3.4734 [-12.168]	0.7107	-2.8790 (2.0339)	-2.9023 [-12.226]	0.7396
4	-3.5832* (2.0090)	-1.9454 [-12.254]	-2.2024 (2.0089)	-3.4743 [-12.140]	0.7870	-3.2457* (2.0116)	-2.9029 [-12.198]	0.5879
5	-3.4676* (1.9871)	-1.9455 [-12.181]	-2.1628 (1.9841)	-3.4753 [-12.067]	0.7063	-3.1878* (1.9913)	-2.9035 [-12.126]	0.5768
6	-3.3840* (1.5119)	-1.9455 [-12.175]	-2.7029 (1.5175)	-3.4762 [-12.064]	0.7912	-3.2884* (1.5139)	-2.9041 [-12.124]	0.4156
7	-7.4053* (1.4755)	-1.9456 [-12.920]	-4.5624* (1.6024)	-3.4772 [-12.894]	0.0549	-7.0714* (1.4881)	-2.9048 [-12.892]	0.1560
8	-3.6066* (1.8835)	-1.9457 [-13.006]	-2.7311 (1.8411)	-3.4783 [-12.933]	0.1289	-3.4935* (1.8717)	-2.9055 [-12.954]	0.4200
9	-3.5719* (2.0012)	-1.9458 [-12.939]	-3.1118 (1.9967)	-3.4793 [-12.895]	0.0634	-3.5681* (2.0086)	-2.9062 [-12.894]	0.3206

หมายเหตุ : ตัวเลขในวงเล็บ () คือ ค่า Durbin – Watson Statistics

: ตัวเลขในวงเล็บ [] คือ ค่า Schwarz criterion

: ระดับนัยสำคัญ 5 %

ที่มา : จากการคำนวณ

ผลการทดสอบ Unit Root ของข้อมูลอัตราดอกเบี้ยระยะสั้นของประเทศไทย ณ อันดับ I(1)

lag	Without trend and Intercept		With trend and Intercept			With Intercept		
	ADF	5 % critical value	ADF	5 % critical value	Prob. trend	ADF	5 % critical value	Prob. constant
0	-7.5482* (2.0615)	-1.9452 [-12.29]	-8.0573* (2.1194)	-3.4716 [-12.260]	0.0717	-7.7577* (2.0829)	-2.9012 [-12.272]	0.1223
1	-4.6449* (1.9720)	-1.9453 [-12.260]	-5.2480* (1.9697)	-3.4725 [-12.217]	0.0777	-4.8728* (1.9730)	-2.9017 [-12.231]	0.1555
2	-4.2544* (1.9753)	-1.9453 [-12.192]	-5.1677* (2.0003)	-3.4734 [-12.180]	0.0300	-4.5594* (1.9841)	-2.9023 [-12.168]	0.1191
3	-3.2708* (1.9772)	-1.9454 [-12.136]	-4.3372* (1.9709)	-3.4743 [-12.127]	0.0246	-3.5893* (1.9771)	-2.9029 [-12.108]	0.1470
4	-2.9306* (1.9744)	-1.9455 [-12.070]	-4.0299* (1.9408)	-3.4753 [-12.055]	0.0262	-3.2280* (1.9680)	-2.9035 [-12.037]	0.1855
5	-2.0212* (1.5185)	-1.9455 [-12.067]	-2.8949 (1.4930)	-3.4762 [-12.011]	0.0836	-2.2619 (1.5151)	-2.9041 [-12.023]	0.3031
6	-3.2754* (1.1773)	-1.9456 [-12.332]	-6.8787* (1.4592)	-3.4772 [-12.649]	0.0000	-3.9018* (1.2150)	-2.9048 [-12.340]	0.0417
7	-2.6291* (2.0823)	-1.9457 [-12.866]	-3.8601* (1.9157)	-3.4783 [-12.871]	0.0125	-2.8383 (2.0637)	-2.9055 [-12.823]	0.2855
8	-2.2300* (2.0295)	-1.9458 [-12.797]	-3.4530 (1.9475)	-3.4793 [-12.793]	0.0154	-2.4040 (2.0220)	-2.9062 [-12.749]	0.3596
9	-2.0188* (2.1073)	-1.9459 [-12.774]	-2.6626 (2.0018)	-3.4804 [-12.718]	0.0658	-2.0656 (2.0975)	-2.9069 [-12.717]	0.5393

หมายเหตุ : ตัวเลขในวงเล็บ () คือ ค่า Durbin – Watson Statistics

: ตัวเลขในวงเล็บ [] คือ ค่า Schwarz criterion

: ระดับนัยสำคัญ 5 %

ที่มา : จากการคำนวณ

ผลการทดสอบ Unit Root ของข้อมูลอัตราดอกเบี้ยระยะสั้นของประเทศไทย
ณ อันดับ I(0)

lag	Without trend and Intercept		With trend and Intercept			With Intercept		
	ADF	5 % critical value	ADF	5 % critical value	Prob. trend	ADF	5 % critical value	Prob. constant
0	-0.695742 (1.0985)	-1.9451 [-10.464]	-2.3295 (1.0811)	-3.4708 [-10.425]	0.0260	-0.9216 (1.0843)	-2.9006 [-10.414]	0.4765
1	-0.9820 (2.1351)	-1.9452 [-10.637]	-2.9976 (2.2291)	-3.4716 [-10.631]	0.0168	-1.6878 (2.1772)	-2.9012 [-10.607]	0.1589
2	-1.1296 (1.9605)	-1.9453 [-10.589]	-3.3950 (1.9676)	-3.4725 [-10.613]	0.0091	-1.9914 (1.9590)	-2.9017 [-10.571]	0.0952
3	-1.1494 (2.0038)	-1.9453 [-10.560]	-2.8468 (1.9537)	-3.4734 [-10.543]	0.0270	-1.6791 (1.9832)	-2.9023 [-10.527]	0.1791
4	-0.9452 (1.9432)	-1.9454 [-10.512]	-2.8797 (1.9828)	-3.4743 [-10.505]	0.0153	-1.4049 (1.9434)	-2.9029 [-10.472]	0.2557
5	-1.0666 (1.9731)	-1.9455 [-10.454]	-3.1238 (1.9721)	-3.4753 [-10.466]	0.0109	-1.6194 (1.9715)	-2.9035 [-10.422]	0.1877
6	-1.2367 (2.0398)	-1.9455 [-10.434]	-2.5648 (2.0064)	-3.4762 [-10.401]	0.0414	-1.4681 (2.0331)	-2.9041 [-10.393]	0.2692
7	-1.3665 (1.9781)	-1.9456 [-10.368]	-2.4512 (1.9809)	-3.4772 [-10.328]	0.0586	-1.5203 (1.9796)	-2.9048 [-10.327]	0.2642
8	-1.2239 (1.9750)	-1.9457 [-10.290]	-2.6624 (1.9964)	-3.4783 [-10.269]	0.0316	-1.4614 (1.9726)	-2.9055 [-10.249]	0.2681
9	-1.3186 (2.0163)	-1.9458 [-10.219]	-2.5030 (1.9999)	-3.4793 [-10.187]	0.0460	-1.4466 (2.0110)	-2.9062 [-10.176]	0.2876

หมายเหตุ : ตัวเลขในวงเล็บ () คือ ค่า Durbin – Watson Statistics

: ตัวเลขในวงเล็บ [] คือ ค่า Schwarz criterion

: ระดับนัยสำคัญ 5 %

ที่มา : จากการคำนวณ

ผลการทดสอบ Unit Root ของข้อมูลอัตราดอกเบี้ยระยะสั้นของประเทศไทย
ณ อันดับ I(1)

lag	Without trend and Intercept		With trend and Intercept			With Intercept		
	ADF	5 % critical value	ADF	5 % critical value	Prob. trend	ADF	5 % critical value	Prob. constant
0	-5.3760* (2.1229)	-1.9452 [-10.682]	-5.3208* (2.1200)	-3.4716 [-10.568]	0.8139	-5.3565* (2.1234)	-2.9012 [-10.626]	0.6978
1	-4.0447* (1.9588)	-1.9453 [-10.630]	-3.9986* (1.9599)	-3.4725 [-10.515]	0.9677	-4.0412* (1.9600)	-2.9017 [-10.574]	0.6579
2	-4.4170* (2.0042)	-1.9453 [-10.600]	-4.3749* (2.0076)	-3.4734 [-10.486]	0.9636	-4.4288* (2.0076)	-2.9023 [-10.546]	0.5548
3	-4.2373* (1.9468)	-1.9454 [-10.559]	-4.2146* (1.9467)	-3.4743 [-10.443]	0.8235	-4.2405* (1.9453)	-2.9029 [-10.502]	0.6291
4	-3.4329* (1.9703)	-1.9455 [-10.594]	-3.4173 (1.9721)	-3.4753 [-10.381]	0.9777	-3.4543* (1.9722)	-2.9035 [-10.441]	0.5889
5	-3.7815* (2.0310)x	-1.9455 [-10.441]	-3.7823* (2.0394)	-3.4762 [-10.358]	0.8527	-3.8406* (2.0382)	-2.9041 [-10.358]	0.4371
6	-3.5675* (1.9717)	-1.9456 [-10.537]	-3.6034* (1.9773)	-3.4772 [-10.291]	0.7282	-3.6619* (1.9757)	-2.9048 [-10.351]	0.3696
7	-3.0687* (1.9796)	-1.9457 [-10.327]	-3.1129 (1.9766)	-3.4783 [-10.213]	0.8287	-3.1520* (1.9777)	-2.9055 [-10.275]	0.4389
8	-3.0334* (2.0108)	-1.9458 [-10.252]	-3.1100 (2.0170)	-3.4793 [-10.140]	0.7440	-3.1489* (2.0162)	-2.9062 [-10.202]	0.3784
9	-3.0001* (2.0107)	-1.9459 [-10.172]	-3.1034 (2.0143)	-3.4804[- 10.062]	0.7364	-3.1374* (2.0147)	-2.9069 [-10.124]	0.3497

หมายเหตุ : ตัวเลขในวงเล็บ () คือ ค่า Durbin – Watson Statistics

: ตัวเลขในวงเล็บ [] คือ ค่า Schwarz criterion

: ระดับนัยสำคัญ 5 %

ที่มา : จากการคำนวณ

ผลการทดสอบ Unit Root ของข้อมูลอัตราดอกเบี้ยระยะสั้นของประเทศสิงคโปร์
ณ อันดับ I(0)

lag	Without trend and Intercept		With trend and Intercept			With Intercept		
	ADF	5 % critical value	ADF	5 % critical value	Prob. trend	ADF	5 % critical value	Prob. constant
0	-1.4111 (1.1403)	-1.9451 [-10.971]	-2.2240 (1.0845)	-3.4708 [-10.909]	0.0563	-1.0704 (1.1325)	-2.9006 [-10.915]	0.7461
1	-1.9633 (1.8876)	-1.9452 [-11.173]	-3.4341 (1.9558)	-3.4716 [-11.175]	0.0087	-2.0877 (1.9063)	-2.9012 [-11.134]	0.2445
2	-1.9892 (2.0716)	-1.9453 [-11.146]	-2.8886 (2.0130)	-3.4725 [-11.111]	0.0284	-1.8574 (2.0579)	-2.9017 [-11.099]	0.3750
3	-1.9277 (1.9697)	-1.9453 [-11.105]	-2.4259 (1.9626)	-3.4734 [-11.044]	0.0641	-1.5846 (1.9667)	-2.9023 [-11.051]	0.5405
4	-1.7055 (1.9341)	-1.9454	-2.6640 (1.9606)	-3.4743 [-10.997]	0.0318	-1.5037 (1.9352)	-2.9029 [-10.985]	0.5066
5	-2.0008* (2.0385)	-1.9455 [-10.998]	-2.6796 (2.0152)	-3.4753 [-10.954]	0.0402	-1.7399 (2.0357)	-2.9035 [-10.947]	0.4506
6	-2.1821* (1.9497)	-1.9455 [-10.959]	-2.3316 (1.9255)	-3.4762 [-10.891]	0.0866	-1.7046 (1.9449)	-2.9041 [-10.903]	0.5489
7	-1.7528 (2.0394)	-1.9456 [-10.913]	-2.1905 (2.0395)	-3.4772	0.0786 [-10.845]	-1.3007 (2.0354)	-2.9048 [-10.853]	0.6898
8	-1.2752 (1.8375)	-1.9457 [-10.920]	-2.2811 (1.8468)	-3.4783 [-10.871]	0.0393	-0.8482 (1.8355)	-2.9055 [-10.857]	0.8615
9	-1.6009 (1.9402)	-1.9458 [-10.901]	-1.9323 (1.9147)	-3.4793 [-10.824]	0.1027	-0.9986 (1.9395)	-2.9062 [-10.837]	0.8853

หมายเหตุ : ตัวเลขในวงเล็บ () คือ ค่า Durbin – Watson Statistics

: ตัวเลขในวงเล็บ [] คือ ค่า Schwarz criterion

: ระดับนัยสำคัญ 5 %

ที่มา : จากการคำนวณ

ผลการทดสอบ Unit Root ของข้อมูลอัตราดอกเบี้ยระยะสั้นของประเทศสิงคโปร์

ณ อันดับ I(1)

lag	Without trend and Intercept		With trend and Intercept			With Intercept		
	ADF	5 % critical value	ADF	5 % critical value	Prob. trend	ADF	5 % critical value	Prob. constant
0	-5.7911* (1.8558)	-1.9452 [-11.179]	-5.8139* (1.8669)	-3.4716 [-11.077]	0.6496	-5.8524* (1.8604)	-2.9012 [-11.132]	0.3586
1	-5.8281* (2.0696)	-1.9453 [-11.150]	-5.9188* (2.0820)	-3.4725 [-11.054]	0.5928	-5.9408* (2.0807)	-2.9017 [-11.109]	0.2676
2	-5.5918* (1.9712)	-1.9453 [-11.111]	-5.7314* (1.9737)	-3.4734 [-11.018]	0.6186	-5.7456* (1.9739)	-2.9023 [-11.073]	0.2225
3	-4.2063* (1.9426)	-1.9454 [-11.055]	-4.3129* (1.9364)	-3.4743 [-10.952]	0.7489	-4.3304* (1.9376)	-2.9029 [-11.010]	0.3094
4	-3.8539* (2.0174)	-1.9455 [-10.998]	-4.0688* (2.0368)	-3.4753 [-10.905]	0.5476	-4.0535* (2.0308)	-2.9035 [-10.960]	0.2285
5	-4.0332* (1.9392)	-1.9455 [-10.946]	-4.3568* (1.9540)	-3.4762 [-10.866]	0.4569	-4.3183* (1.9512)	-2.9041 [-10.918]	0.1518
6	-3.5701* (2.0664)	-1.9456 [-10.925]	-3.7742* (2.0516)	-3.4772 [-10.828]	0.6975	-3.7823* (2.0571)	-2.9048 [-10.887]	0.2283
7	-3.4305* (1.8491)	-1.9457 [-10.955]	-3.4519 (1.8494)	-3.4783 [-10.845]	0.9055	-3.5310* (1.8478)	-2.9055 [-10.908]	0.3428
8	-3.2748* (1.9214)	-1.9458 [-10.919]	-3.4548 (1.9391)	-3.4793 [-10.820]	0.8266	-3.5119* (1.9368)	-2.9062 [-10.883]	0.2195
9	-3.1943* (2.0355)	-1.9459 [-10.866]	-3.3446 (2.0307)	-3.4804 [-10.763]	0.9799	-3.3983* (2.0304)	-2.9069 [-10.827]	0.2457

หมายเหตุ : ตัวเลขในวงเล็บ () คือ ค่า Durbin – Watson Statistics

: ตัวเลขในวงเล็บ [] คือ ค่า Schwarz criterion

: ระดับนัยสำคัญ 5 %

ที่มา : จากการคำนวณ

ผลการทดสอบ Unit Root ของข้อมูลอัตราดอกเบี้ยระยะสั้นของสหรัฐอเมริกา
ณ อันดับ I(0)

lag	Without trend and Intercept		With trend and Intercept			With Intercept		
	ADF	5 % critical value	ADF	5 % critical value	Prob. trend	ADF	5 % critical value	Prob. constant
0	-1.8885 (0.8471)	-1.9451 [-10.592]	-1.7026 (0.8364)	-3.4708 [-10.500]	0.9758	-1.9030 (0.8368)	-2.9006 [-10.557]	0.2016
1	-1.6893 (2.1241)	-1.9452 [-10.934]	-2.9488 (2.2591)	-3.4716 [-10.906]	0.4130	-2.8807 (2.2323)	-2.9012 [-10.954]	0.0188
2	-1.5687 (1.9893)	-1.9453 [-10.878]	-3.3189 (2.0422)	-3.4725 [-10.881]	0.2690	-2.1367 (2.0219)	-2.9017 [-10.922]	0.0080
3	-1.6100 (1.8731)	-1.9453 [-10.806]	-3.3971 (1.8848)	-3.4734 [-10.835]	0.2323	-2.3989 (1.8762)	-2.9023 [-10.873]	0.0038
4	-1.0474 (2.0097)	-1.9454 [-10.836]	-3.0879 (1.9878)	-3.4743 [-10.839]	0.1257	-2.6424 (1.9698)	-2.9029 [-10.863]	0.0182
5	-0.9845 (1.9991)	-1.9455 [-10.772]	-2.8588 (2.0007)	-3.4753 [-10.761]	0.1541	-2.4481 (1.9940)	-2.9035 [-10.788]	0.0283
6	-1.0477 (1.9617)	-1.9455 [-10.698]	-3.0244 (1.9560)	-3.4762 [-10.702]	0.1400	-2.6097 (1.9556)	-2.9041 [-10.727]	0.0197
7	-0.8410 (1.9786)	-1.9456 [-10.658]	-2.6655 (2.0104)	-3.4772 [-10.639]	0.1283	-2.1488 (1.9778)	-2.9048 [-10.661]	0.0517
8	-0.7433 (1.9440)	-1.9457 [-10.602]	-3.3124 (2.0034)	-3.4783 [-10.647]	0.0289	-2.3746 (1.9478)	-2.9055 [-10.624]	0.0283
9	-0.7341 (1.9854)	-1.9458 [-10.545]	-2.9937 (1.9740)	-3.4793 [-10.563]	0.0456	-2.1269 (1.9684)	-2.9062 [-10.552]	0.0506

หมายเหตุ : ตัวเลขในวงเล็บ () คือ ค่า Durbin – Watson Statistics

: ตัวเลขในวงเล็บ [] คือ ค่า Schwarz criterion

: ระดับนัยสำคัญ 5 %

ที่มา : จากการคำนวณ

ผลการทดสอบ Unit Root ของข้อมูลอัตราดอกเบี้ยระยะสั้นของสหรัฐอเมริกา
ณ อันดับ I(1)

lag	Without trend and Intercept		With trend and Intercept			With Intercept		
	ADF	5 % critical value	ADF	5 % critical value	Prob. trend	ADF	5 % critical value	Prob. constant
0	-4.3536* (2.1141)	-1.9452 [-10.954]	-4.3936* (2.1038)	-3.4716 [-10.847]	0.6407	-4.3924* (2.1075)	-2.9012 [-10.902]	0.4907
1	-3.4189* (1.9910)	-1.9453 [-10.902]	-3.4309 (1.9874)	-3.4725 [-10.790]	0.7682	-3.4421* (1.9898)	-2.9017 [-10.847]	0.5992
2	-3.1331* (1.8742)	-1.9453 [-10.828]	-3.1629 (1.8749)	-3.4734 [-10.715]	0.7275	-3.1647* (1.8753)	-2.9023 [-10.773]	0.5864
3	-3.3765* (2.0249)	-1.9454 [-10.880]	-3.2438 (2.0240)	-3.4743 [-10.761]	0.9436	-3.3503* (2.0233)	-2.9029 [-10.821]	0.8083
4	-3.4583* (1.9992)	-1.9455 [-10.818]	-3.3433 (2.0000)	-3.4753 [-10.698]	0.9468	-3.4372* (1.9998)	-2.9035 [-10.758]	0.7915
5	-3.1148* (1.9612)	-1.9455 [-10.742]	-3.0499 (1.9631)	-3.4762 [-10.622]	0.8542	-3.1062* (1.9621)	-2.9041 [-10.682]	0.7548
6	-3.4229* (1.9829)	-1.9456 [-10.708]	-3.2841 (1.9823)	-3.4772 [-10.585]	0.9793	-3.3988* (1.9821)	-2.9048 [-10.647]	0.7994
7	-2.8313* (1.9457)	-1.9457 [-10.655]	-2.6460 (1.9476)	-3.4783 [-10.531]	0.7745	-2.7982 (1.9456)	-2.9055 [-10.593]	0.9102
8	-2.9819* (1.9858)	-1.9458 [-10.599]	-2.8419 (1.9859)	-3.4793 [-10.473]	0.9303	-2.9588* (1.9864)	-2.9062 [-10.536]	0.8518
9	-3.0086* (1.9700)	-1.9459 [-10.535]	-2.8149 (1.9711)	-3.4804 [-10.409]	0.7697	-2.9737* (1.9700)	-2.9069 [-10.471]	0.9266

หมายเหตุ : ตัวเลขในวงเล็บ () คือ ค่า Durbin – Watson Statistics

: ตัวเลขในวงเล็บ [] คือ ค่า Schwarz criterion

: ระดับนัยสำคัญ 5 %

ที่มา : จากการคำนวณ

ผลการทดสอบ Unit Root ของข้อมูลอัตราแลกเปลี่ยนรวมของประเทศคู่ค้าทั้ง 5 ประเทศ
ณ อันดับ I(0)

lag	Without trend and Intercept		With trend and Intercept			With Intercept		
	ADF	5 % critical value	ADF	5 % critical value	Prob. trend	ADF	5 % critical value	Prob. constant
0	0.7350 (1.6317)	-1.9451 [-2.9752]	-1.8655 (1.5622)	-3.4708 [-2.9101]	0.2349	-1.4477 (1.5991)	-2.9006 [-2.9479]	0.1384
1	0.6052 (1.9169)	-1.9452 [-2.9349]	-2.3222 (1.9334)	-3.4716 [-2.8952]	0.1168	-1.6875 (1.9161)	-2.9012 [-2.9180]	0.0880
2	0.6763 (1.9647)	-1.9453 [-2.8963]	-1.9340 (1.9602)	-3.4725 [-2.8348]	0.1947	-1.4325 (1.9554)	-2.9017 [-2.8687]	0.1440
3	0.6994 (1.9748)	-1.9453 [-2.8247]	-2.0186 (1.9808)	-3.4734 [-2.7693]	0.1846	-1.5316 (1.9733)	-2.9023 [-2.8018]	0.1192
4	0.7466 (1.9987)	-1.9454 [-2.7673]	-1.6965 (1.9909)	-3.4743 [-2.6966]	0.3037	-1.4215 (1.9924)	-2.9029 [-2.7400]	0.1463
5	0.7866 (1.9904)x	-1.9455 [-2.5912]	-1.5858 (1.9904)	-3.4753 [-2.6188]	0.3652	-1.4232 (1.9884)	-2.9035 [-2.6662]	0.1454
6	0.7932 (1.9801)	-1.9455 [-2.6212]	-1.3826 (1.9849)	-3.4762 [-2.5390]	0.4596	-1.3440 (1.9771)	-2.9041 [-2.5912]	0.1682
7	0.7586 (1.9843)	-1.9456 [-2.5404]	-1.4712 (2.0004)	-3.4772 [-2.4622]	0.3936	-1.3636 (1.9851)	-2.9048 [-2.5116]	0.1633
8	0.7297 (1.9788)	-1.9457 [-2.4573]	-1.5244 (1.9720)	-3.4783 [-2.3821]	0.3553	-1.3755 (1.9733)	-2.9055 [-2.4294]	0.1606
9	0.8524 (1.9647)	-1.9458 [-2.4073]	-1.0962 (1.9624)	-3.4793 [-2.3162]	0.6021	-1.2577 (1.9609)x	-2.9062 [-2.3162]	0.1955

หมายเหตุ : ตัวเลขในวงเล็บ () คือ ค่า Durbin – Watson Statistics

: ตัวเลขในวงเล็บ [] คือ ค่า Schwarz criterion

: ระดับนัยสำคัญ 5 %

ที่มา : จากการคำนวณ

ผลการทดสอบ Unit Root ของข้อมูลอัตราแลกเปลี่ยนรวมของประเทศคู่ค้าทั้ง 5 ประเทศ
ณ อันดับ I(1)

lag	Without trend and Intercept		With trend and Intercept			With Intercept		
	ADF	5 % critical value	ADF	5 % critical value	Prob. trend	ADF	5 % critical value	Prob. constant
0	-7.0107 (1.9147)	-1.9452 [-2.9880]	-6.9739 (1.9162)	-3.4716 [-2.8792]	0.8512	-7.0217 (1.9172)	-2.9012 [-2.9368]	0.4784
1	-6.3559 (1.9611)	-1.9453 [-2.9485]	-6.3349 (1.9637)	-3.4725 [-2.8400]	0.8302	-6.3826 (1.9649)	-2.9017 [-2.8981]	0.4457
2	-4.8044 (1.9702)	-1.9453 [-2.9340]	-4.8227 (1.9745)	-3.4734 [-2.7688]	0.7625	-4.8524 (1.9753)	-2.9023 [-2.8268]	0.4292
3	-4.6010 (1.9942)	-1.9454 [-2.8189]	-4.6407 (1.9987)	-3.4743 [-2.7127]	0.6454	-4.6593 (1.9990)	-2.9029 [-2.7694]	0.4066
4	-4.1015 (1.9856)	-1.9455 [-2.7440]	-4.1811 (1.9902)	-3.4753 [-2.6398]	0.5679	-4.1774 (1.9908)	-2.9035 [-2.6952]	0.3850
5	-3.8412 (1.9774)	-1.9455 [-2.6725]	-3.9369 (1.9763)	-3.4762 [-2.5690]	0.5149	-3.9242 (1.9802)	-2.9041 [-2.6234]	0.3844
6	-3.2453 (1.9823)	-1.9456 [-2.5929]	-3.3527 (1.9797)	-3.4772 [-2.4876]	0.5208	-3.3350 (1.9845)	-2.9048 [-2.5426]	0.4032
7	-2.8769 (1.9731)	-1.9457 [-2.5110]	-3.0018 (1.9784)	-3.4783 [-2.4042]	0.5181	-2.9722 (1.9792)	-2.9055 [2.4595]	0.4196
8	-3.1604 (1.9584)	-1.9458 [-2.4579]	-3.3382 (1.9626)	-3.4793 [-2.3576]	0.4300	-3.2826 (1.9651)	-2.9062 [-2.4097]	0.3570
9	-2.6573 (1.9921)	-1.9459 [-2.3774]	-2.8557 (1.9863)	-3.4804 [-2.2736]	0.4420	-2.7782 (1.9923)	-2.9069 [-2.3265]	0.39871

หมายเหตุ : ตัวเลขในวงเล็บ () คือ ค่า Durbin – Watson Statistics

: ตัวเลขในวงเล็บ [] คือ ค่า Schwarz criterion

: ระดับนัยสำคัญ 5 %

ที่มา : จากการคำนวณ

ผลการทดสอบ Unit Root ของข้อมูลอัตราแลกเปลี่ยนของประเทศไทย ณ อันดับ I(0)

lag	Without trend and Intercept		With trend and Intercept			With Intercept		
	ADF	5 % critical value	ADF	5 % critical value	Prob. trend	ADF	5 % critical value	Prob. constant
0	-0.3388 (1.7443)	-1.9451 [-2.2262]	-2.1991 (1.7044)	-3.4708 [-2.1868]	0.1230	-1.8098 (1.6826)	-2.9006 [-2.2111]	0.0792
1	-0.3464 (1.9807)	-1.9452 [-2.1704]	-2.4802 (1.9972)	-3.4716 [-2.1467]	0.1142	-2.0649 (1.9912)	-2.9012 [-2.1690]	0.0455
2	-0.3090 (1.9774)	-1.9453 [-2.1023]	-2.4014 (1.9796)	-3.4725 [-2.0755]	0.1047	-1.9375 (1.9766)	-2.9017 [-2.0953]	0.0599
3	-0.1312 (1.9782)	-1.9453 [-2.0531]	-2.0755 (1.9634)	-3.4734 [-2.0141]	0.1687	-1.8723 (1.9707)	-2.9023 [-2.0446]	0.0658
4	-0.1896 (1.9954)	-1.9454 [-1.9884]	-2.2330 (2.0015)	-3.4743 [-1.9499]	0.1317	-1.7547 (1.9924)	-2.9029 [-1.9741]	0.0858
5	-0.1510 (1.9996)	-1.9455 [-1.9113]	-2.2505 (2.0038)	-3.4753 [-1.8743]	0.1291	-1.7449 (2.0009)	-2.9035 [-1.8975]	0.0869
6	-0.1487 (1.9980)	-1.9455 [-1.8319]	-2.2985 (2.0086)	-3.4762 [-1.7997]	0.1098	-1.7288 (2.0013)	-2.9041 [-1.8181]	0.0899
7	-0.1074 (2.0004)	-1.9456 [-1.7519]	-2.3370 (2.0130)	-3.4772 [-1.7231]	0.1049	-1.7317 (2.0074)	-2.9048 [-1.7394]	0.0887
8	-0.1019 (1.9955)	-1.9457 [-1.6698]	-2.4886 (2.0091)	-3.4783 [-1.6543]	0.0828	-1.8076 (1.9984)	-2.9055 [-1.6628]	0.0759
9	-0.0833 (1.9991)	-1.9458 [-1.5881]	-2.4716 (2.0077)	-3.4793 [-1.5738]	0.0727	-1.7196 (1.9984)	-2.9062 [-1.5771]	0.0909

หมายเหตุ : ตัวเลขในวงเล็บ () คือ ค่า Durbin – Watson Statistics

: ตัวเลขในวงเล็บ [] คือ ค่า Schwarz criterion

: ระดับนัยสำคัญ 5 %

ผลการทดสอบ Unit Root ของข้อมูลอัตราแลกเปลี่ยนของประเทศไทย ณ อันดับ I(1)

lag	Without trend and Intercept		With trend and Intercept			With Intercept		
	ADF	5 % critical value	ADF	5 % critical value	Prob. trend	ADF	5 % critical value	Prob. constant
0	-7.5161* (1.9809)	-1.9452 [-2.2269]	-7.4978* (1.9810)	-3.4716 [-2.1206]	0.4015	-7.4652* (1.9809)	-2.9012 [-2.1688]	0.9326
1	-5.9681* (1.9779)	-1.9453 [-2.1598]	-5.9761* (1.9778)	-3.4725 [-2.0528]	0.3949	-5.9260* (1.9778)	-2.9017 [-2.1010]	0.9456
2	-4.6658* (1.9789)	-1.9453 [-2.1122]	-4.6369* (1.9765)	-3.4734 [-1.9986]	0.5643	-4.6247* (1.9794)	-2.9023 [-2.0530]	0.9221
3	-4.3716* (1.9952)	-1.9454 [-2.0479]	-4.3671* (1.9979)	-3.4743 [-1.9349]	0.5004	-4.3328* (1.9951)	-2.9029 [-1.9879]	0.9827
4	-3.7854* (1.9998)	-1.9455 [-1.9717]	-3.7802* (1.9995)	-3.4753 [-1.8565]	0.5358	-3.7477* (1.9999)	-2.9035 [-1.9110]	0.9554
5	-3.4168* (1.9981)	-1.9455 [-1.8929]	-3.4186 (1.9985)	-3.4762 [-1.7766]	0.5333	-3.3805* (1.9981)	-2.9041 [-1.8316]	0.9578
6	-3.0587* (2.0006)	-1.9456 [-1.8138]	-3.0534 (1.9998)	-3.4772 [-1.6951]	0.5769	-3.0214* (2.0008)	-2.9048 [-1.7519]	0.9274
7	-2.7068* (1.9956)	-1.9457 [-1.7324]	-2.7064 (1.9963)	-3.4783 [-1.6121]	0.5930	-2.6723 (1.9956)	-2.9055 [-1.6698]	0.9195
8	-2.6572* (1.9992)	-1.9458 {-1.6515}	-2.6599 (1.9999)	-3.4793 [-1.5301]	0.5877	-2.6229 (1.9993)	-2.9062 [-1.5882]	0.9158
9	-2.4517* (1.9985)	-1.9459 [-1.5655]	-2.4566 (1.9975)	-3.4804 [-1.4425]	0.6048	-2.4194 (1.9986)	-2.9069 [-1.5016]	0.9065

หมายเหตุ : ตัวเลขในวงเล็บ () คือ ค่า Durbin – Watson Statistics

: ตัวเลขในวงเล็บ [] คือ ค่า Schwarz criterion

: ระดับนัยสำคัญ 5 %

ที่มา : จากการคำนวณ

ผลการทดสอบ Unit Root ของข้อมูลอัตราแลกเปลี่ยนของประเทศไทย ณ อันดับ I(0)

lag	Without trend and Intercept		With trend and Intercept			With Intercept		
	ADF	5 % critical value	ADF	5 % critical value	Prob. trend	ADF	5 % critical value	Prob. constant
0	1.2560 (1.6330)	-1.9451 [-2.4986]	-2.1126 (1.5854)	-3.4708 [-2.4545]	0.2289	-1.8515 (1.6227)	-2.9006 [-2.4918]	0.0550
1	1.0841 (1.8305)	-1.9452 [-2.4492]	-2.5251 (1.8461)	-3.4716 [-2.4288]	0.1123	-2.0052 (1.8226)	-2.9012 [-2.4507]	0.0402
2	1.1870 (1.8739)	-1.9453 [-2.4439]	-1.9422 (1.8676)	-3.4725 [-2.3897]	0.2559	-1.6772 (1.8537)	-2.9017 [-2.4293]	0.0818
3	1.0464 (1.9301)	-1.9453 [-2.3789]	-2.1863 (1.9701)	-3.4734 [-2.3373]	0.1609	-1.7214 (1.9237)	-2.9023 [-2.3666]	0.0765
4	1.0357 (1.9326)	-1.9454 [-2.3025]	-2.2556 (1.9599)	-3.4743 [-2.2673]	0.1455	-1.7783 (1.9282)	-2.9029 [-2.2940]	0.0683
5	1.0488 (1.9356)	-1.9455 [-2.2255]	-2.3017 (1.9513)	-3.4753 [-2.1969]	0.1448	-1.8678 (1.9341)	-2.9035 [-2.2230]	0.0565
6	1.1557 (1.9024)	-1.9455 [-2.1787]	-1.7918 (1.9143)	-3.4762 [-2.1305]	0.3731	-1.8811 (1.8949)	-2.9041 [-2.1785]	0.0544
7	0.9786 (1.8960)	-1.9456 [-2.1142]	-2.1680 (1.9213)	-3.4772 [-2.0822]	0.1690	-1.8300 (1.8918)	-2.9048 [-2.1114]	0.0627
8	1.1312 (1.9742)	-1.9457 [-2.0563]	-1.8321 (1.9765)	-3.4783 [-2.0161]	0.3347	-1.9341 (1.9813)	-2.9055 [-2.0621]	0.0492
9	1.2010 (1.9334)	-1.9458 [-2.3199]	-1.5041 (1.9370)	-3.4793 [-1.9374]	0.5223	-1.8969 (1.9266)	-2.9062 [-1.9932]	0.0532

หมายเหตุ : ตัวเลขในวงเล็บ () คือ ค่า Durbin – Watson Statistics

: ตัวเลขในวงเล็บ [] คือ ค่า Schwarz criterion

: ระดับนัยสำคัญ 5 %

ที่มา : จากการคำนวณ

ผลการทดสอบ Unit Root ของข้อมูลอัตราแลกเปลี่ยนของประเทศไทยปี ๒๕๖๑-๒๕๖๓ ณ อันดับ I(1)

lag	Without trend and Intercept		With trend and Intercept			With Intercept		
	ADF	5 % critical value	ADF	5 % critical value	Prob. trend	ADF	5 % critical value	Prob. constant
0	-6.8313* (1.8220)	-1.9452 [-2.4911]	-6.9307* (1.8253)	-3.4716 [-2.3998]	0.5868	-6.9580* (1.8312)	-2.9012 [-2.4538]	0.2224
1	-6.4163* (1.8654)	-1.9453 [-2.4827]	-6.5307* (1.8643)	-3.4725 [-2.3945]	0.5547	-6.5774* (1.8736)	-2.9017 [-2.4481]	0.1949
2	-4.3463* (1.9289)	-1.9453 [-2.4223]	-4.4567* (1.9197)	-3.4734 [-2.3267]	0.6362	-4.5060* (1.9299)	-2.9023 [-2.3828]	0.2467
3	-3.5665* (1.9269)	-1.9454 [-2.3464]	-3.6923* (1.9265)	-3.4743 [-2.2508]	0.5955	-3.7448* (1.9330)	-2.9029 [-2.3065]	0.2506
4	-3.1712* (1.9257)	-1.9455 [-2.2691]	-3.3480 (1.9330)	-3.4753 [-2.1756]	0.5250	-3.3714* (1.9366)	-2.9035 [-2.2298]	0.2443
5	-3.4279* (1.8966)	-1.9455 [-2.2187]	-3.7333* (1.8894)	-3.4762 [-2.1397]	0.3022	-3.6593* (1.9026)	-2.9041 [-2.1835]	0.2051
6	-2.6155* (1.8909)	-1.9456 [-2.1604]	-2.8139 (1.8882)	-3.4772 [-2.0663]	0.4402	2.8235 (1.8964)	-2.9048 [2.1182]	0.2772
7	-2.7875* (1.9551)	-1.9457 [-2.0973]	-3.1769 (1.9840)	-3.4783 [-2.0206]	0.2636	-3.0485* (1.9764)	-2.9055 [-2.0613]	0.2149
8	-2.8592* (1.9249)	-1.9458 [-2.0262]	-3.3341 (1.9209)	-3.4793 [-1.9598]	0.2012	-3.1513* (1.9339)	-2.9062 [-1.9933]	0.1924
9	-2.4121* (1.9410)	-1.9459 [-1.9489]	-2.8758 (1.9279)	-3.4804 [-1.8734]	0.2308	-2.6847 (1.9450)	-2.9069 [-1.9103]	0.2415

หมายเหตุ : ตัวเลขในวงเล็บ () คือ ค่า Durbin – Watson Statistics

: ตัวเลขในวงเล็บ [] คือ ค่า Schwarz criterion

: ระดับนัยสำคัญ 5 %

ที่มา : จากการคำนวณ

ผลการทดสอบ Unit Root ของข้อมูลอัตราแลกเปลี่ยนของประเทศไทย ณ อันดับ I(0)

lag	Without trend and Intercept		With trend and Intercept			With Intercept		
	ADF	5 % critical value	ADF	5 % critical value	Prob. trend	ADF	5 % critical value	Prob. constant
0	0.0231 (2.2623)	-1.9451 [-3.5730]	-2.5983 (2.0734)	-3.4708 [-3.5517]	0.6647	-2.6373 (2.0912)	-2.9006 [-3.6066]	0.0102
1	0.0473 (2.0086)	-1.9452 [3.5183]	-2.3152 (1.9929)	-3.4716 [-3.4813]	0.7581	-2.3963 (1.9944)	-2.9012 [-3.5381]	0.0191
2	0.0985 (2.0103)	-1.9453 [-3.4485]	-2.2950 (2.0006)	-3.4725 [-3.4133]	0.8143	-2.4166 (2.0022)	-2.9017 [-3.4713]	0.0181
3	0.1499 (1.9929)	-1.9453 [-3.3863]	-2.1094 (1.9957)	-3.4734 [-3.3441]	0.9442	-2.3037 (1.9959)	-2.9023 [-3.4034]	0.0241
4	0.1678 (1.9846)	-1.9454 [-3.3116]	-2.3548 (1.9706)	-3.4743 [-3.2866]	0.7878	-2.5241 (1.9724)	-2.9029 [-3.3455]	0.0139
5	0.1765 (1.9913)	-1.9455 [-3.2754]	1.8140 (1.9819)	-3.4753 [-3.2282]	0.8882	-2.1929 (1.9804)	-2.9035 [-3.2886]	0.0316
6	0.1721 (1.9937)	-1.9455 [-3.1961]	-1.9499 (1.9880)	-3.4762 [-3.1581]	0.9808	-2.3184 (1.9881)	-2.9041 [-3.2195]	0.0235
7	0.1909 (1.9661)	-1.9456 [-3.1331]	-1.5843 (1.9542)	-3.4772 [-3.0880]	0.7834	-2.1785 (1.9495)	-2.9048 [-3.1488]	0.0330
8	0.0204 (2.0396)	-1.9457 [-3.1005]	-1.2611 (2.0107)	-3.4783 [-3.0287]	0.8476	-1.7607 (2.0087)	-2.9055 [-3.0908]	0.0835
9	-0.0063 (2.0445)	-1.9458 [-3.0330]	-0.9275 (2.0320)	-3.4793 [-2.9508]	0.7097	-1.5395 (2.0207)	-2.9062 [-3.0117]	0.1294

หมายเหตุ : ตัวเลขในวงเล็บ () คือ ค่า Durbin – Watson Statistics

: ตัวเลขในวงเล็บ [] คือ ค่า Schwarz criterion

: ระดับนัยสำคัญ 5 %

ที่มา : จากการคำนวณ

ผลการทดสอบ Unit Root ของข้อมูลอัตราแลกเปลี่ยนของประเทศไทย ณ อันดับ I(1)

lag	Without trend and Intercept		With trend and Intercept			With Intercept		
	ADF	5 % critical value	ADF	5 % critical value	Prob. trend	ADF	5 % critical value	Prob. constant
0	-9.7492 (2.0086)	-1.9452 [-3.5764]	-9.6616 (2.0111)	-3.4716 [-3.4656]	0.5390	-9.6837 (2.0085)	-2.9012 [-3.5185]	0.9100
1	-6.6160 (2.0101)	-1.9453 [-3.5072]	-6.5865 (2.0148)	-3.4725 [-3.3975]	0.4746	-6.5725 (2.0103)	-2.9017 [-3.4488]	0.8711
2	-5.7207 (1.9928)	-1.9453 [-3.4454]	-5.7363 (1.9975)	-3.4734 [-3.3383]	0.3911	-5.6847 (1.9929)	-2.9023 [-3.3866]	0.8349
3	-4.4137 (1.9846)	-1.9454 [-3.3712]	-4.4640 (1.9916)	-3.4743 [-3.2635]	0.3879	-4.3867 (1.9846)	-2.9029 [-3.3120]	0.8190
4	-4.6897 (1.9912)	-1.9455 [-3.3356]	-4.8227 (2.0033)	-3.4753 [-3.2372]	0.2392	-4.6591 (1.9912)	-2.9035 [-3.2757]	0.8202
5	-3.8909 (1.9937)	-1.9455 [-3.2570]	-4.0567 (2.0018)	-3.4762 [-3.1581]	0.2380	-3.8655 (1.9936)	-2.9041 [-3.1964]	0.8233
6	-3.9320 (1.9660)	-1.9456 [-3.1946]	-4.2108 (1.9852)	-3.4772 [-3.1077]	0.1449	-3.9059 (1.9661)	-2.9048 [-3.1335]	0.8129
7	-3.7382 (2.0397)	-1.9457 [-3.1633]	-3.8922 (2.0387)	-3.4783 [-3.0634]	0.2289	-3.7059 (2.0393)	-2.9055 [-3.1006]	0.9545
8	-3.7286 (2.0445)	-1.9458 [-3.0965]	-3.8980 (2.0632)	-3.4793 [-2.9985]	0.2089	-3.6932 (2.0445)	-2.9062 [-3.0330]	0.9800
9	-4.0319 (1.9877)	-1.9459 [-3.0525]	-4.3063 (2.0092)	-3.4804 [-2.9680]	0.1296	-3.9941 (1.9878)	-2.9069 [-2.9884]	0.9325

หมายเหตุ : ตัวเลขในวงเล็บ () คือ ค่า Durbin – Watson Statistics

: ตัวเลขในวงเล็บ [] คือ ค่า Schwarz criterion

: ระดับนัยสำคัญ 5 %

ที่มา : จากการคำนวณ

ผลการทดสอบ Unit Root ของข้อมูลอัตราแลกเปลี่ยนของประเทศสิงคโปร์ ณ อันดับ I(0)

lag	Without trend and Intercept		With trend and Intercept			With Intercept		
	ADF	5 % critical value	ADF	5 % critical value	Prob. trend	ADF	5 % critical value	Prob. constant
0	1.1656 (1.5862)	-1.9451 [-3.1683]	-1.8683 (1.5355)	-3.4708 [-3.1171]	0.3023	-1.8334 (1.5802)	-2.9006 [-3.1598]	0.0594
1	0.8615 (1.8968)	-1.9452 [-3.1400]	-2.3835 (1.8969)	-3.4716 [-3.1133]	0.1193	-1.9368 (1.8974)	-2.9012 [-3.1365]	0.0495
2	1.1157 (1.9993)	-1.9453 [-3.1318]	-1.8250 (1.9821)	-3.4725 [-3.0777]	0.2934	-1.7477 (1.9960)	-2.9017 [-3.1201]	0.0725
3	1.0646 (1.9966)	-1.9453 [-3.0572]	-1.8499 (1.9808)	-3.4734 [-3.0043]	0.2738	-1.7369 (1.9953)	-2.9023 [-3.0454]	0.0749
4	1.3195 (2.0311)	-1.9454 [-3.0339]	-1.3326 (2.0328)	-3.4743 [-2.9733]	0.6450	-1.8504 (2.0442)	-2.9029 [-3.0300]	0.0570
5	1.3677 (2.0064)	-1.9455 [-2.9606]	-1.1695 (2.0111)	-3.4753 [-2.9017]	0.7992	-1.9077 (2.0153)	-2.9035 [-2.9613]	0.0501
6	1.4007 (1.9912)	-1.9455 [-2.9000]	-0.8031 (1.9875)	-3.4762 [-2.8360]	0.9201	-1.8280 (1.9868)	-2.9041 [-2.8972]	0.0597
7	1.2437 (2.0006)	-1.9456 [-2.8235]	-0.8644 (1.9992)	-3.4772 [-2.7556]	0.9832	-1.7683 (1.9991)	-2.9048 [-2.8177]	0.0696
8	1.1885 (2.0000)	-1.9457 [-2.7405]	-0.8121 (2.0112)	-3.4783 [-2.6730]	0.9801	-1.7688 (2.0105)	-2.9055 [-2.7357]	0.0703
9	1.5272 (1.9858)	-1.9458 [-2.7174]	-0.2135 (2.0270)	-3.4793 [-2.6741]	0.4386	-1.9359 (2.0042)	-2.9062 [-2.7264]	0.0469

หมายเหตุ : ตัวเลขในวงเล็บ () คือ ค่า Durbin – Watson Statistics

: ตัวเลขในวงเล็บ [] คือ ค่า Schwarz criterion

: ระดับนัยสำคัญ 5 %

ที่มา : จากการคำนวณ

ผลการทดสอบ Unit Root ของข้อมูลอัตราแลกเปลี่ยนของประเทศไทยสิงคโปร์ ณ อันดับ I(1)

lag	Without trend and Intercept		With trend and Intercept			With Intercept		
	ADF	5 % critical value	ADF	5 % critical value	Prob. trend	ADF	5 % critical value	Prob. constant
0	-6.8188 (1.8975)	-1.9452 [-3.1879]	-6.9125 (1.8983)	-3.4716 [-3.0934]	0.4426	-6.8888 (1.8967)	-2.9012 [-3.1432]	0.3262
1	-6.6731 (1.9916)	-1.9453 [-3.1730]	-6.8601 (2.0054)	-3.4725 [-3.0887]	0.3677	-6.8086 (1.9999)	-2.9017 [-3.1356]	0.2226
2	-5.0430 (1.9896)	-1.9453 [-3.1000]	-5.2596 (2.0034)	-3.4734 [-3.0132]	0.3763	-5.1921 (1.9972)	-2.9023 [-3.0608]	0.2432
3	-5.2031 (2.0163)	-1.9454 [-3.0679]	-5.6329 (2.0576)	-3.4743 [-3.0060]	0.1845	-5.4382 (2.0329)	-2.9029 [-3.0387]	0.1549
4	-4.4989 (1.9987)	-1.9455 [-2.9925]	-5.0548 (2.0259)	-3.4753 [-2.9405]	0.1369	-4.7786 (2.0075)	-2.9035 [-2.9658]	0.1413
5	-4.2030 (1.9934)	-1.9455 [-2.9302]	-4.8452 (1.9939)	-3.4762 [-2.8867]	0.1075	-2.9658 (1.9908)	-2.9041 [-2.9053]	0.1345
6	-3.3481 (2.0068)	-1.9456 [-2.8601]	-3.9684 (1.9978)	-3.4772 [-2.8049]	0.1317	-3.6326 (2.0000)	-2.9048 [-2.8281]	0.1809
7	-2.9600 (1.9878)	-1.9457 [-2.7792]	-3.6308 (2.0280)	-3.4783 [-2.7240]	0.1246	-3.2475 (2.0016)	-2.9055 [-2.7450]	0.1995
8	-3.356298 (1.9697)	-1.9458 [-2.7401]	-4.4138 (2.0317)	-3.4793 [-2.7368]	0.0414	-3.7838 (1.9879)	-2.9062 [-2.7240]	0.1051
9	-2.8304 (2.0101)	-1.9459 [-2.6610]	-3.9355 (2.0045)	-3.4804 [-2.6534]	0.0409	-3.2344 (1.9986)	-2.9069 [-2.6380]	0.1377

หมายเหตุ : ตัวเลขในวงเล็บ () คือ ค่า Durbin – Watson Statistics

: ตัวเลขในวงเล็บ [] คือ ค่า Schwarz criterion

: ระดับนัยสำคัญ 5 %

ที่มา : จากการคำนวณ

ผลการทดสอบ Unit Root ของข้อมูลอัตราแลกเปลี่ยนของประเทศสหรัฐอเมริกา
ณ อันดับ I(0)

lag	Without trend and Intercept		With trend and Intercept			With Intercept		
	ADF	5 % critical value	ADF	5 % critical value	Prob. trend	ADF	5 % critical value	Prob. constant
0	0.4929 (1.5838)	-1.9451 [-2.7617]	-1.3036 (1.5424)	-3.4708 [-2.6760]	0.6249	-1.3559 (1.5597)	-2.9006 [-2.7303]	0.1684
1	0.3769 (1.9358)	-1.9452 [-2.7336]	-1.7566 (1.9475)	-3.4716 [-2.6651]	0.3717	-1.5931 (1.9408)	-2.9012 [-2.7118]	0.1094
2	0.4810 (1.9684)	-1.9453 [-2.6849]	-1.4187 (1.9702)	-3.4725 [-2.6047]	0.5774	-1.4820 (1.9704)	-2.9017 [-2.6589]	0.1341
3	0.4404 (1.9550)	-1.9453 [-2.6206]	-1.6986 (1.9504)	-3.4734 [-2.5519]	0.4037	-1.6098 (1.9521)	-2.9023 [-2.6007]	0.1054
4	0.4978 (1.9941)	-1.9454 [-2.5900]	-1.1464 (1.9848)	-3.4743 [-2.5026]	0.7393	-1.3958 (1.9884)	-2.9029 [-2.5609]	0.1575
5	0.4645 (1.9972)	-1.9455 [-2.5123]	-1.1816 (1.9974)	-3.4753 [-2.4252]	0.6838	-1.3897 (1.9969)	-2.9035 [-2.4832]	0.1601
6	0.4959 (1.9995)	-1.9455 [-2.4346]	-1.0745 (2.0016)	-3.4762 [-2.3464]	0.7637	-1.3951 (2.0018)	-2.9041 [-2.4062]	0.1582
7	0.4919 (2.0007)	-1.9456 [-2.3538]	-1.0990 (2.0078)	-3.4772 [-2.2674]	0.7365	-1.4324 (2.0056)	-2.9048 [-2.3275]	0.1480
8	0.4437 (1.9851)	-1.9457 [-2.2724]	-1.1958 (1.9777)	-3.4783 [-2.1888]	0.6461	-1.4579 (1.9809)	-2.9055 [-2.2477]	0.1423
9	0.5792 (1.9924)	-1.9458 [-2.2161]	-0.8050 (1.9907)	-3.4793 [-2.1244]	0.9381	-1.3659 (1.9915)	-2.9062 [-2.1878]	0.1660

หมายเหตุ : ตัวเลขในวงเล็บ () คือ ค่า Durbin – Watson Statistics

: ตัวเลขในวงเล็บ [] คือ ค่า Schwarz criterion

: ระดับนัยสำคัญ 5 %

ที่มา : จากการคำนวณ

ผลการทดสอบ Unit Root ของข้อมูลอัตราแลกเปลี่ยนของประเทศสหรัฐอเมริกา
ณ อันดับ I(1)

lag	Without trend and Intercept		With trend and Intercept			With Intercept		
	ADF	5 % critical value	ADF	5 % critical value	Prob. trend	ADF	5 % critical value	Prob. constant
0	-6.8907 (1.9357)	-1.9452 [-2.7898]	-6.8527 (1.9350)	-3.4716 [-2.6801]	0.6210	-6.8709 (1.9359)	-2.9012 [-2.7348]	0.6327
1	-6.1353 (1.9672)	-1.9453 [-2.7404]	-6.1475 (1.9701)	-3.4725 [-2.6343]	0.4961	-6.1327 (1.9686)	-2.9017 [-2.6863]	0.5662
2	-4.3603 (1.9540)	-1.9453 [-2.6772]	-4.3932 (1.9562)	-3.4734 [-2.5685]	0.5344	-4.3693 (1.9552)	-2.9023 [-2.6221]	0.5891
3	-4.6930 (1.9926)	-1.9454 [-2.6463]	-4.7677 (1.9984)	-3.4743 [-2.5424]	0.4006	-4.7048 (1.9942)	-2.9029 [-2.5914]	0.5598
4	-3.9332 (1.9972)	-1.9455 [-2.5696]	-4.0204 (1.9973)	-3.4753 [-2.4636]	0.4152	-3.9496 (1.9972)	-2.9035 [-2.5137]	0.5830
5	-3.5913 (1.9989)	-1.9455 [-2.4921]	-3.7274 (2.0022)	-3.4762 [-2.3887]	0.3597	-3.6177 (1.9996)	-2.9041 [-2.4362]	0.5621
6	-3.1538 (2.0009)	-1.9456 [-2.4118]	-3.3265 (2.0009)	-3.4772 [-2.3089]	0.3403	-3.1875 (2.0008)	-2.9048 [-2.3554]	0.5637
7	-2.7446 (1.9840)	-1.9457 [-2.3317]	-2.9281 (1.9876)	-3.4783 [-2.2263]	0.3541	-2.7784 (1.9852)	-2.9055 [-2.2739]	0.5961
8	-2.9857 (1.9896)	-1.9458 [-2.2736]	-3.2383 (1.9988)	-3.4793 [-2.1760]	0.2785	-3.0424 (1.9928)	-2.9062 [-2.2179]	0.5101
9	-2.6311 (2.0034)	-1.9459 [-2.1885]	-2.9236 (2.0030)	-3.4804 [-2.0912]	0.2653	-2.6927 (2.0021)	-2.9069 [-2.1318]	0.5268

หมายเหตุ : ตัวเลขในวงเล็บ () คือ ค่า Durbin – Watson Statistics

: ตัวเลขในวงเล็บ [] คือ ค่า Schwarz criterion

: ระดับนัยสำคัญ 5 %

ที่มา : จากการคำนวณ

ผลการทดสอบ Unit Root ของข้อมูลราคาน้ำมันดิบเฉลี่ยจากทั่วโลก ณ อันดับ I(0)

lag	Without trend and Intercept		With trend and Intercept			With Intercept		
	ADF	5 % critical value	ADF	5 % critical value	Prob. trend	ADF	5 % critical value	Prob. constant
0	0.0204 (1.4864)	-1.9451 [-0.2381]	-2.4796 (1.4382)	-3.4708 [-0.2061]	0.0689	-1.6285 (1.4632)	-2.9006 [-0.2174]	0.1019
1	-0.0891 (1.4926)	-1.9452 [-0.1779]	-2.7483 (1.5481)	-3.4716 [-0.1656]	0.0601	-1.9549 (1.5563)	-2.9012 [-0.1729]	0.0530
2	-0.2007 (1.4680)	-1.9453 [-0.2526]	-3.1813 (-3.4725)	-3.4725 [1.5629]	0.0065	-1.5522 (1.4968)	-2.9017 [-0.2276]	0.1282
3	-0.0975 (1.6971)	-1.9453 [-0.2246]	-2.9297 (1.7196)	-3.4734 [-0.2286]	0.0253	-1.7766 (1.7682)	-2.9023 [-0.2116]	0.0791
4	-0.0160 (1.6333)	-1.9454 [-0.1608]	-2.8522 (1.6071)	-3.4743 [-0.1618]	0.0414	-1.9083 (1.6411)	-2.9029 [-0.1564]	0.0582
5	0.3382 (1.7361)	-1.9455 [-0.2200]	-2.2125 (1.7283)	-3.4753 [-0.1783]	0.0612	-1.1405 (1.7355)	-2.9035 [-0.1821]	0.2333
6	0.4800 (1.6206)	-1.9455 [-0.1562]	-2.0785 (1.6481)	-3.4762 [-0.1092]	0.0588	-0.9050 (1.6457)	-2.9041 [-0.1106]	0.3284
7	0.3231 (1.6329)	-1.9456 [-0.0814]	-2.3185 (1.6838)	-3.4772 [-0.0527]	0.0365	-1.0152 (1.6750)	-2.9048 [-0.0387]	0.2878
8	0.2920 (1.6298)	-1.9457 [0.0003]	-2.3816 (1.6540)	-3.4783 [0.0237]	0.0371	-1.1188 (1.6656)	-2.9055 [0.0392]	0.2463
9	0.4707 (1.6176)	-1.9458 [0.0710]	-2.2143 (1.6344)	-3.4793 [0.1016]	0.0391	-0.8901 (1.6527)	-2.9062 [0.1177]	0.3395

หมายเหตุ : ตัวเลขในวงเล็บ () คือ ค่า Durbin – Watson Statistics

: ตัวเลขในวงเล็บ [] คือ ค่า Schwarz criterion

: ระดับนัยสำคัญ 5 %

ที่มา : จากการคำนวณ

ผลการทดสอบ Unit Root ของข้อมูลราคาน้ำมันดิบเฉลี่ยจากทั่วโลก ณ อันดับ I(1)

lag	Without trend and Intercept		With trend and Intercept			With Intercept		
	ADF	5 % critical value	ADF	5 % critical value	Prob. trend	ADF	5 % critical value	Prob. constant
0	-6.0667 (1.4904)	-1.9452 [-0.2360]	-5.8675 (1.4935)	-3.4716 [-0.1212]	0.8110	-6.0073 (1.4861)	-2.9012 [-0.1786]	0.8148
1	-5.2162 (1.4643)	-1.9453 [-0.3108]	-5.0492 (1.4623)	-3.4725 [-0.1984]	0.5516	-5.0767 (1.4635)	-2.9017 [-0.2520]	0.9619
2	-3.6890 (1.6955)	-1.9453 [-0.2839]	-3.3826 (1.6893)	-3.4734 [-0.1657]	0.9261	-3.6083 (1.6938)	-2.9023 [-0.2250]	0.8595
3	-3.1767 (1.6333)	-1.9454 [-0.2209]	-2.7698 (1.6353)	-3.4743 [-0.1022]	0.8842	-3.1237 (1.6330)	-2.9029 [-0.1619]	0.7887
4	-4.2684 (1.7371)	-1.9455 [-0.2789]	-3.9351 (1.7346)	-3.4753 [-0.1630]	0.7657	-4.2278 (1.7355)	-2.9035 [-0.2223]	0.6110
5	-4.1330 (1.6297)	-1.9455 [-0.2138]	-3.8847 (1.6099)	-3.4762 [-0.1011]	0.6305	-4.1129 (1.6203)	-2.9041 [-0.1586]	0.5383
6	-3.3075 (1.6422)	-1.9456 [-0.1417]	-3.0901 (1.6150)	-3.4772 [-0.0261]	0.5981	-3.2560 (1.6314)	-2.9048 [-0.0834]	0.6373
7	-2.8099 (1.6346)	-1.9457 [-0.0609]	-2.5615 (1.6160)	-3.4783 [0.0574]	0.6536	-2.7654 (1.6290)	-2.9055 [-0.0017]	0.6518
8	-2.8638 (1.6257)	-1.9458 [0.0114]	-2.6743 (1.5969)	-3.4793 [0.1251]	0.5382	-2.8587 (1.6183)	-2.9062 [0.0685]	0.5517
9	-2.4891 (1.6212)	-1.9459 [0.0900]	-2.1946 (1.6022)	-3.4804 [0.2065]	0.6439	-2.5191 (1.6167)	-2.9069 [0.1464]	0.5185

หมายเหตุ : ตัวเลขในวงเล็บ () คือ ค่า Durbin – Watson Statistics

: ตัวเลขในวงเล็บ [] คือ ค่า Schwarz criterion

: ระดับนัยสำคัญ 5 %

ที่มา : จากการคำนวณ



ผลการวิเคราะห์ผลกระทบ Contemporaneous Effect

ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่

Copyright© by Chiang Mai University
All rights reserved

การวิเคราะห์ผลกระทบจากตัวแปรเศรษฐกิจมหภาคของประเทศไทยต่อตัวแปรเศรษฐกิจมหภาคภายในประเทศ

	c	y_{t-1}	π_{t-1}	r_{t-1}	y_t^*	π_t^*	r_t^*	e_t^*	poilt	y_{t-1}^*	π_{t-1}^*	r_{t-1}^*	e_{t-1}^*	poilt ₋₁	R ²
y_t	-0.311 (0.302) [-1.027]	0.629 (0.078) [8.11*]	-0.349 (0.149) [-2.34*]	-0.035 (0.996) [-0.036]	0.648 (0.205) [3.17*]	0.026 (0.027) [0.956]	-4.881 (6.658) [-0.733]	-0.154 (0.055) [-2.791]	-0.0208 (0.021) [-1.014]	0.263 (0.218) [-1.208]	0.003 (0.028) [0.119]	-0.575 (6.819) [-0.084]	0.008 (0.064) [0.120]	-0.0162 (0.021) [-0.778]	0.9903
π_t	-0.120 (0.091) [-1.315]	0.081 (0.023) [3.48*]	0.933 (0.045) [20.7*]	0.476 (0.300) [1.581]	0.0421 (0.062) [0.681]	0.022 (0.008) [2.64*]	3.999 (2.012) [1.988]	0.055 (0.017) [3.29*]	0.015 (0.006) [2.47*]	-0.074 (0.066) [-1.13]	-0.018 (0.009) [-2.06]	-2.212 (2.060) [-1.073]	0.004 (0.019) [0.226]	-0.012 (0.006) [-1.942]	0.9989
r_t	-0.0228 (0.023) [-0.927]	0.017 (0.006) [2.74*]	-0.004 (0.012) [-0.308]	0.788 (0.077) [10.2*]	0.005 (0.016) [0.341]	0.001 (0.002) [0.528]	1.533 (0.517) [2.97*]	0.013 (0.004) [2.95*]	0.000 (0.002) [0.202]	-0.021 (0.017) [-1.23]	0.003 (0.002) [1.173]	-0.738 (0.529) [-1.395]	-0.003 (0.005) [-0.577]	-0.001 (0.002) [-0.739]	0.9725

หมายเหตุ : ตัวเลขในวงเล็บ () คือ ค่า Standard errors

: ตัวเลขในวงเล็บ [] คือ ค่า t - statistics

: * ระดับนัยสำคัญ 5 %

การวิเคราะห์ผลกระทบจากตัวแปรเศรษฐกิจของประเทศจีนต่อตัวแปรเศรษฐกิจมหภาคภายในประเทศ

	c	y_{t-1}	π_{t-1}	r_{t-1}	$y_{ch_t}^*$	$\pi_{ch_t}^*$	$r_{ch_t}^*$	$e_{ch_t}^*$	$poil_t$	$y_{ch_{t-1}}^*$	$\pi_{ch_{t-1}}^*$	$r_{ch_{t-1}}^*$	$e_{ch_{t-1}}^*$	$poil_{t-1}$	R^2
y_t	0.273 (0.204) [1.336]	0.625 (0.077) [8.07*]	0.021 (0.096) [0.228]	-1.573 (0.665) [-2.36*]	0.225 (0.063) [3.52*]	-0.459 (0.292) [-1.57]	2.491 (2.520) [0.988]	-0.114 (0.041) [-2.8*]	0.015 (0.014) [1.082]	0.105 (0.067) [1.551]	0.040 (0.309) [0.131]	-1.630 (2.206) [-0.738]	0.029 (0.042) [0.690]	-0.015 (0.016) [-0.963]	0.9910
π_t	-0.111 (0.073) [-1.524]	0.079 (0.027) [2.84*]	0.979 (0.034) [28.4*]	0.5633 (0.239) [2.36*]	-0.009 (0.022) [-0.42]	0.088 (0.104) [0.847]	1.929 (0.905) [2.132]	0.039 (0.014) [2.64*]	0.024 (0.005) [4.82*]	-0.038 (0.024) [-1.540]	-0.037 (0.111) [-0.334]	-1.355 (0.792) [-1.711]	-0.011 (0.0151) [-0.739]	-0.022 (0.006) [-3.74*]	0.9985
r_t	0.01 (0.018) [0.816]	0.002 (0.007) [0.361]	-0.006 (0.008) [-0.71]	0.846 (0.060) [13.9*]	0.001 (0.005) [0.230]	-0.015 (0.026) [-0.58]	0.079 (0.230) [0.346]	0.007 (0.003) [2.011]	0.001 (0.001) [0.726]	-0.002 (0.006) [-0.339]	-0.004 (0.028) [-0.154]	0.106 (0.201) [0.528]	-0.007 (0.004) [-1.745]	0.000 (0.002) [-0.001]	0.9644

หมายเหตุ : ตัวเลขในวงเล็บ () คือ ค่า Standard errors

: ตัวเลขในวงเล็บ [] คือ ค่า t - statistics

: ระดับนัยสำคัญ 5 %

การวิเคราะห์ผลกระทบจากตัวแปรเศรษฐกิจของประเทศญี่ปุ่นต่อตัวแปรเศรษฐกิจมหภาคภายในประเทศ

	y_t	π_{t-1}	r_{t-1}	$y_{jap,t}$	$\pi_{jap,t}$	$r_{jap,t}$	$e_{jap,t}$	$poil_t$	$y_{jap,t-1}$	$\pi_{jap,t-1}$	$r_{jap,t-1}$	$e_{jap,t-1}$	$poil_{t-1}$	R^2
y_t	-0.746 (2.161) [-0.345]	0.038 (0.128) [12.2*]	-1.334 (0.780) [-1.708]	0.558 (0.550) [1.052]	0.795 (0.752) [1.056]	-6.658 (7.957) [-0.84]	-0.075 (0.058) [-1.28]	0.019 (0.020) [0.928]	-0.558 (0.547) [-1.020]	-0.536 (0.775) [-0.692]	5.908 (7.086) [0.833]	0.032 (0.054) [0.578]	-0.005 (0.020) [-0.23]	0.9859
π_t	-0.975 (0.558) [-1.747]	0.845 (0.033) [25.5*]	0.743 (0.201) [3.69*]	-0.064 (0.136) [-0.469]	0.452 (0.194) [2.33*]	2.642 (2.054) [1.285]	0.021 (0.015) [1.376]	0.028 (0.005) [5.26*]	0.286 (0.141) [2.025]	-0.365 (0.200) [-1.824]	-3.493 (1.829) [-1.909]	0.018 (0.014) [1.240]	-0.020 (0.005) [-3.8*]	0/9988
r_t	0.305 (0.148) [2.060]	-0.012 (0.009) [-1.362]	1.019 (0.054) [19.0*]	-0.043 (0.036) [-1.172]	-0.118 (0.052) [-2.3*]	-0.411 (0.545) [-0.75]	0.007 (0.004) [1.698]	0.002 (0.001) [1.632]	0.020 (0.038) [0.526]	0.080 (0.053) [1.506]	-0.292 (0.486) [-0.602]	-0.005 (0.004) [-1.444]	0.002 (0.001) [1.538]	0.9688

หมายเหตุ : ตัวเลขในวงเล็บ () คือ ค่า Standard errors

: ตัวเลขในวงเล็บ [] คือ ค่า t - statistics

: ระดับนัยสำคัญ 5 %

การวิเคราะห์ผลกระทบจากตัวแปรเศรษฐกิจมหภาคของประเทศมาเลเซียต่อตัวแปรเศรษฐกิจมหภาคภายในประเทศ

	c	y_{t-1}	π_{t-1}	r_{t-1}	y_{mlt}	π_{mlt}	r_{mlt}	e_{mlt}	$poilt$	y_{mlt-1}	π_{mlt-1}	r_{mlt-1}	e_{mlt-1}	$poilt-1$	R^2
y_t	2.169 (0.376) [5.77*]	0.4551 (0.104) [4.37*]	-0.606 (0.131) [-4.62*]	0.641 (0.822) [0.780]	0.292 (0.154) [1.893]	0.698 (0.438) [1.592]	-6.586 (3.253) [-2.02]	-0.186 (0.080) [-2.3*]	0.008 (0.017) [0.491]	0.469 (0.183) [2.56*]	-0.361 (0.501) [-0.721]	3.706 (2.852) [1.299]	0.054 (0.081) [0.662]	-0.0127 (0.0155) [-0.821]	0.9910
π_t	-0.090 (0.124) [-0.724]	0.023 (0.035) [0.661]	0.948 (0.0434) [21.8*]	0.477 (0.272) [1.751]	0.039 (0.051) [0.775]	0.355 (0.145) [2.44*]	0.182 (1.077) [0.169]	0.073 (0.027) [2.73*]	0.023 (0.006) [4.04*]	-0.025 (0.061) [-0.415]	-0.170 (0.166) [-1.022]	0.180 (0.945) [0.190]	-0.018 (0.027) [-0.657]	-0.016 (0.005) [-3.09*]	0.9987
r_t	0.019 (0.032) [0.579]	0.0001 (0.009) [0.012]	-0.019 (0.01) [-1.655]	0.998 (0.071) [14.1*]	0.002 (0.013) [0.130]	0.007 (0.038) [0.191]	0.266 (0.280) [0.952]	0.0141 (0.007) [1.970]	0.002 (0.001) [1.259]	-0.006 (0.016) [0.408]	0.093 (0.043) [2.159]	-0.416 (0.245) [-1.698]	-0.002 (0.007) [-0.331]	-0.001 (0.001) [-0.696]	0.9686

หมายเหตุ : ตัวเลขในวงเล็บ () คือ ค่า Standard errors

: ตัวเลขในวงเล็บ [] คือ ค่า t - statistics

: ระดับนัยสำคัญ 5 %

การวิเคราะห์ผลกระทบท่าจากตัวแปรเศรษฐกิจมหภาคของประเทศถึงคิโปรต่อตัวแปรเศรษฐกิจมหภาคภายในประเทศ

	c	y_{t-1}	π_{t-1}	r_{t-1}	y_{st}^*	π_{st}^*	r_{st}^*	e_{st}	$poilt$	y_{st-1}^*	π_{st-1}^*	r_{st-1}^*	e_{st-1}^*	$poilt-1$	R^2
y_t	-0.687 (0.930) [-0.738] [6.24*]	0.599 (0.096) [1.351] [6.24*]	-0.666 (0.204) [-3.27*]	1.262 (1.209) [1.044]	0.376 (0.126) [2.99*]	0.0216 (0.915) [0.024]	-9.863 (3.641) [-2.7*]	-0.176 (0.067) [-2.6*]	0.027 (0.018) [1.476]	0.096 (0.130) [0.736]	0.748 (1.051) [0.712]	4.745 (4.202) [1.129]	0.147 (0.093) [1.581]	-0.021 (0.015) [-1.35]	0.9901
π_t	0.034 (0.267) [0.126]	0.058 (0.028) [2.125]	0.809 (0.058) [13.85*]	0.4113 (0.347) [1.187]	0.0878 (0.036) [2.43*]	0.593 (0.262) [2.259]	-0.260 (1.044) [-0.25]	0.047 (0.019) [2.43*]	0.026 (0.005) [5.01*]	-0.067 (0.037) [-1.794]	-0.563 (0.301) [-1.869]	1.249 (1.205) [1.037]	0.049 (0.027) [1.849]	-0.016 (0.004) [-3.67]	0.9990
r_t	0.023 (0.07) [0.367]	0.009 (0.007) [1.351]	-0.005 (0.014) [-0.333]	0.721 (0.083) [8.73*]	0.006 (0.009) [0.719]	-0.055 (0.062) [-0.88]	1.315 (0.249) [5.29*]	0.011 (0.005) [2.34*]	0.000 (0.001) [0.070]	-0.010 (0.009) [-1.08]	0.049 (0.072) [0.675]	-0.625 (0.287) [-2.18]	-0.011 (0.006) [-1.80]	0.001 (0.001) [1.369]	0.9782

หมายเหตุ : ตัวเลขในวงเล็บ () คือ ค่า Standard errors

: ตัวเลขในวงเล็บ [] คือ ค่า t - statistics

: ระดับนัยสำคัญ 5 %

การวิเคราะห์ผลกระทบจากตัวแปรเศรษฐกิจต่างประเทศสหรัฐอเมริกาต่อตัวแปรเศรษฐกิจภายในประเทศ

	y_{t-1}	π_{t-1}	r_{t-1}	y_{ust}	π_{ust}	r_{ust}	e_{ust}	$poilt$	y_{ust-1}	π_{ust-1}	r_{ust-1}	e_{ust-1}	$poilt-1$	R^2
y_t	0.768 (0.074) [10.4*]	0.057 (0.182) [0.311]	-0.410 (1.010) [-0.407]	-0.023 (0.705) [-0.03]	0.005 (0.006) [0.727]	0.818 (3.001) [0.273]	-0.126 (0.055) [-2.3*]	0.0001 (0.025) [0.004]	0.337 (0.661) [0.510]	-0.006 (0.007) [-0.858]	-2.046 (3.224) [-0.635]	-0.006 (0.066) [-0.093]	-0.006 (0.024) [-0.25]	0.9879
π_t	0.076 (0.020) [3.73*]	0.880 (0.050) [17.5*]	0.726 (0.278) [2.61*]	0.120 (0.194) [0.616]	0.005 (0.002) [2.69*]	-0.569 (0.828) [-0.69]	0.057 (0.015) [3.80*]	0.0137 (0.007) [2.027]	-0.098 (0.182) [-0.536]	-0.003 (0.002) [-1.956]	0.596 (0.889) [0.671]	-0.021 (0.018) [-1.148]	-0.009 (0.007) [-1.40]	0.9988
r_t	0.016 (0.005) [3.21*]	-0.012 (0.013) [-0.98]	0.860 (0.070) [12.4*]	-0.102 (0.049) [-2.10]	0.0002 (0.000) [0.469]	0.597 (0.206) [2.90*]	0.011 (0.004) [2.86*]	0.001 (0.002) [0.781]	0.080 (0.046) [1.761]	0.0001 (0.000) [0.295]	-0.422 (0.222) [-1.903]	-0.003 (0.005) [-0.760]	-0.0003 (0.002) [-0.19]	0.9729

หมายเหตุ : ตัวเลขในวงเล็บ () คือ ค่า Standard errors

: ตัวเลขในวงเล็บ [] คือ ค่า t - statistics

: ระดับนัยสำคัญ 5 %

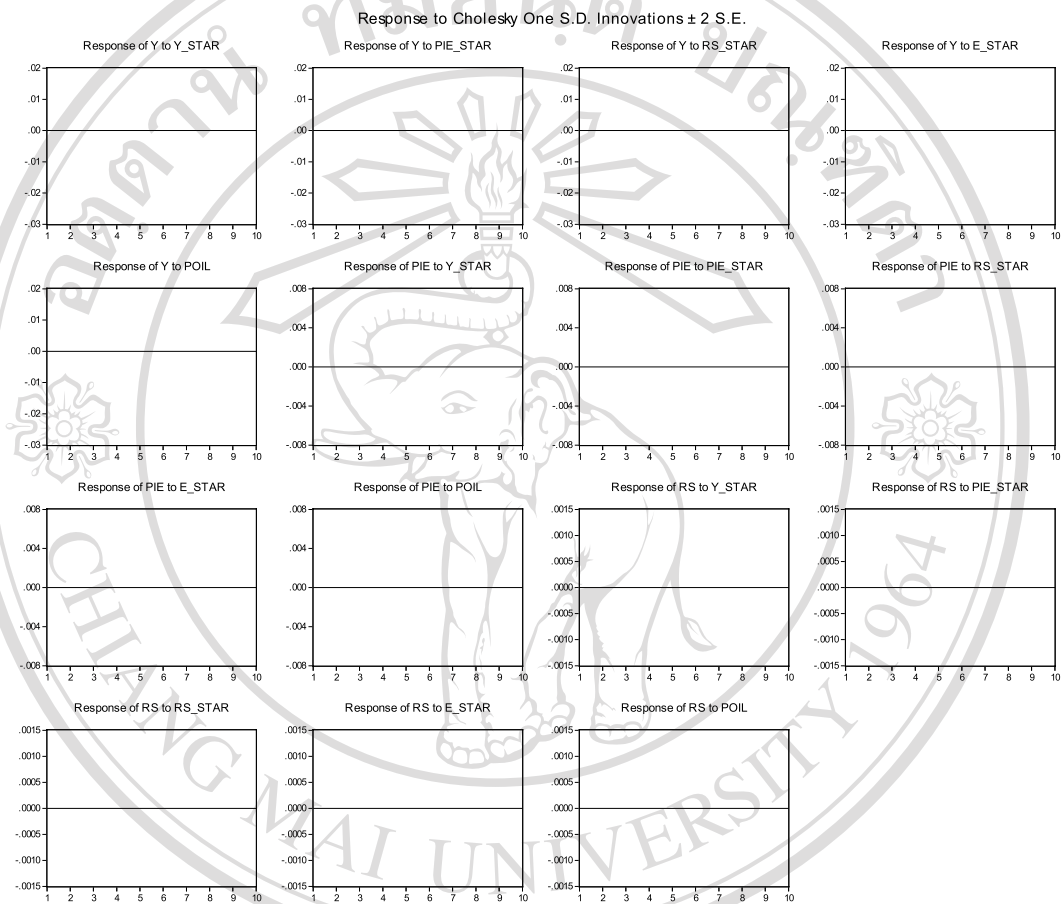


ผลการวิเคราะห์ Impulse Response

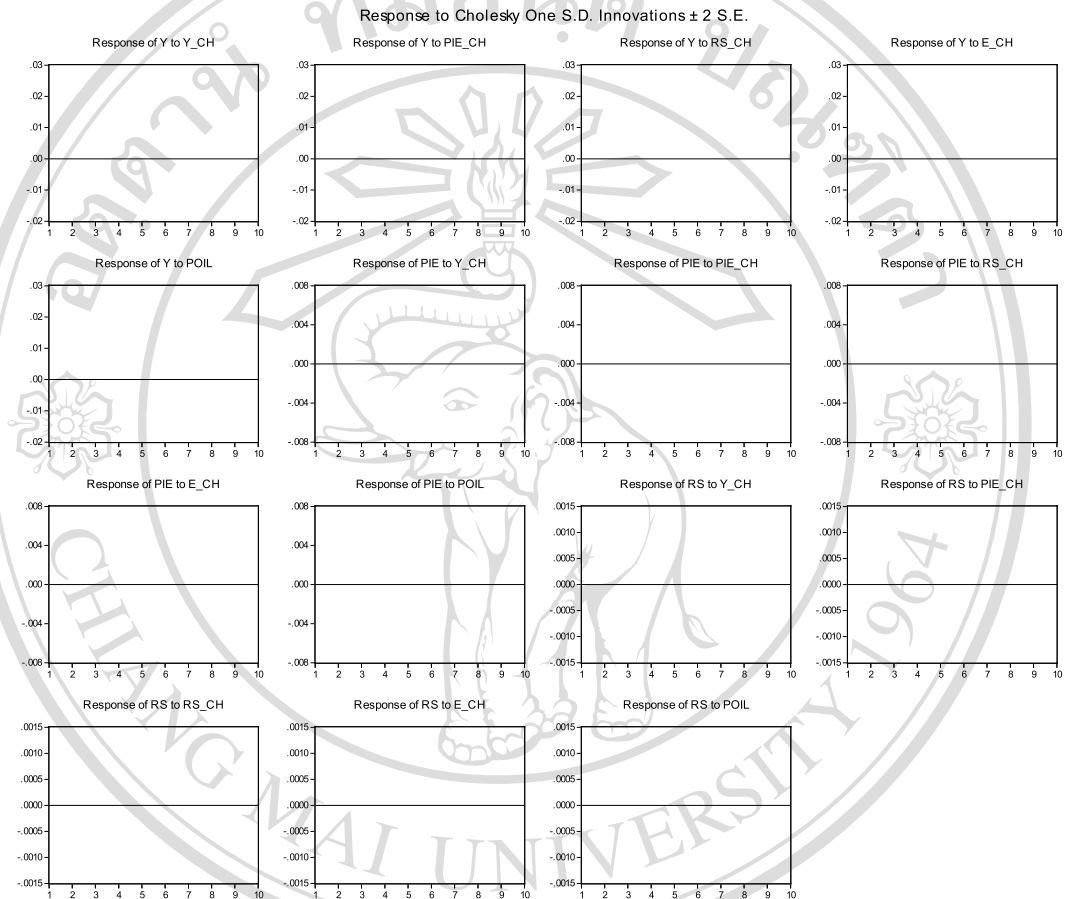
ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่

Copyright© by Chiang Mai University
All rights reserved

ผลการวิเคราะห์การตอบสนองของตัวแปรเศรษฐกิจมหภาคภายในประเทศ
ต่อตัวแปรเศรษฐกิจของประเทศคู่ค้ารวม 5 ประเทศ

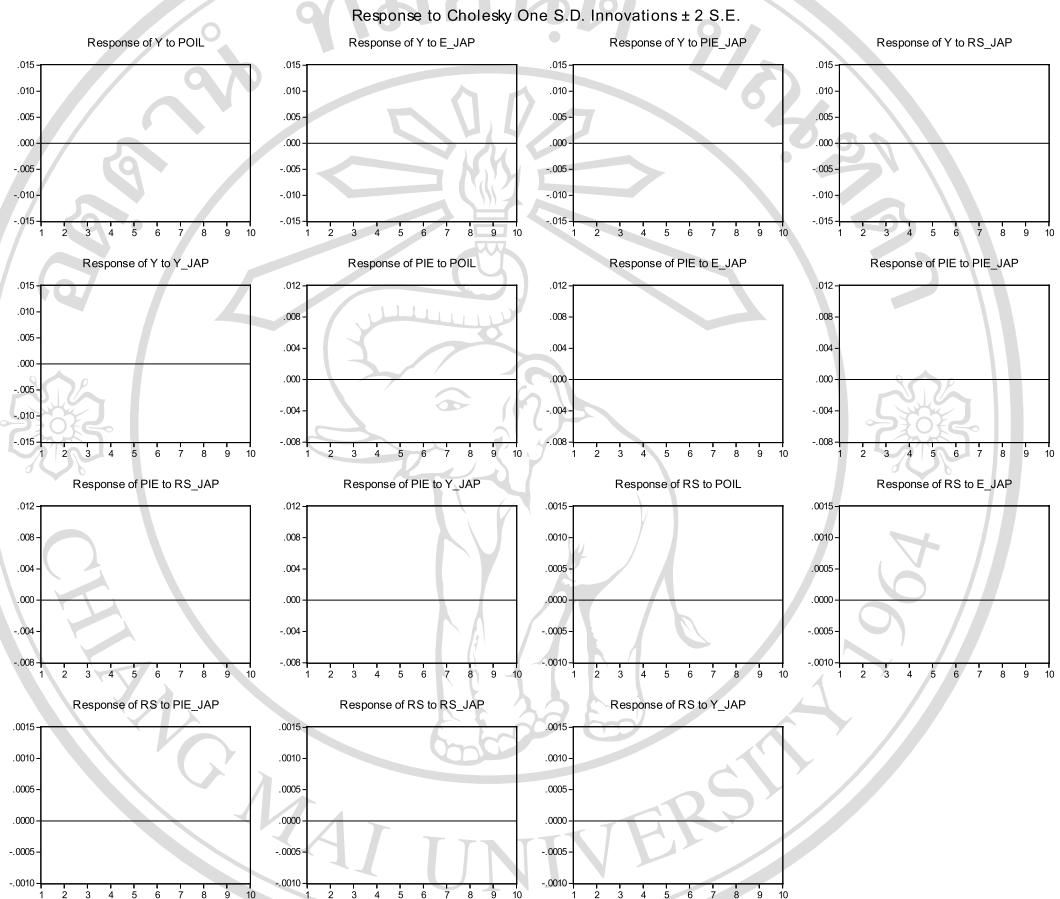


ผลการวิเคราะห์การตอบสนองของตัวแปรเศรษฐกิจมหภาคภายในประเทศ
ต่อตัวแปรเศรษฐกิจมหภาคของประเทศจีน



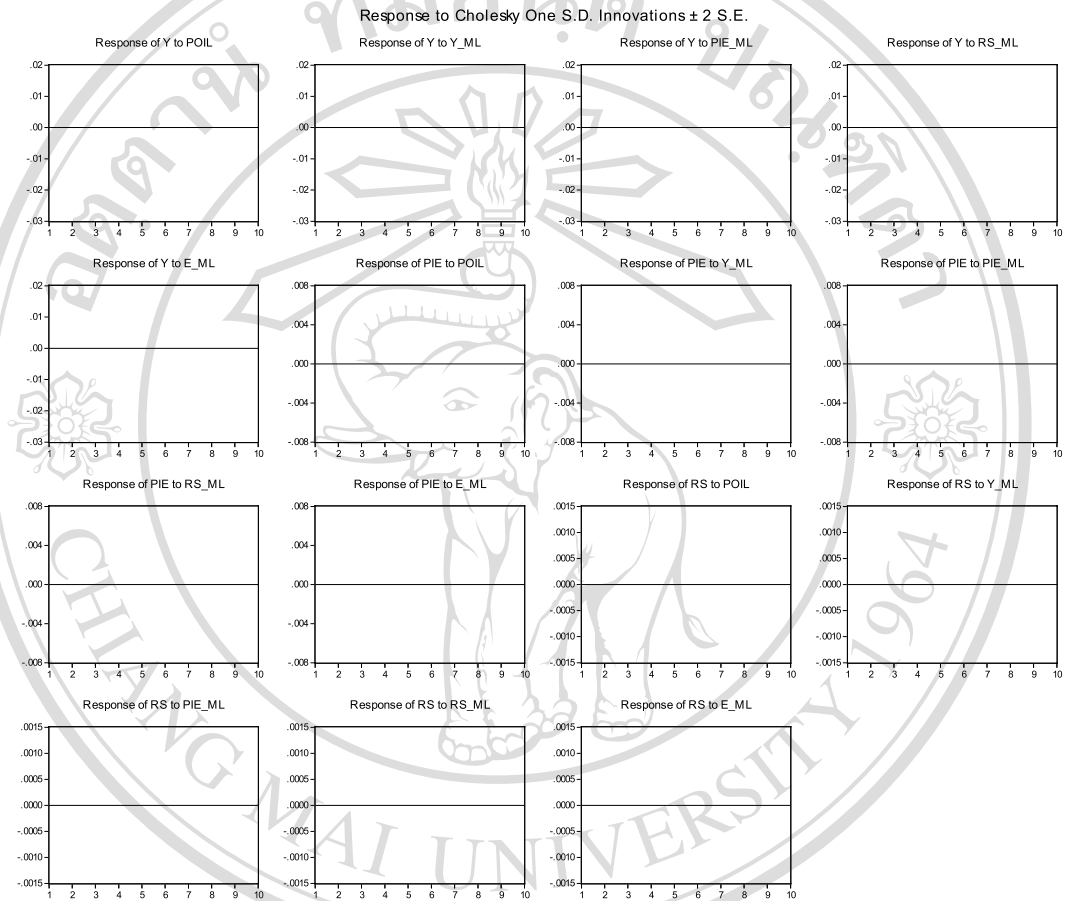
ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่
Copyright© by Chiang Mai University
All rights reserved

ผลการวิเคราะห์การตอบสนองของตัวแปรเศรษฐกิจมหภาคภายในประเทศ
ต่อตัวแปรเศรษฐกิจมหภาคของประเทศญี่ปุ่น



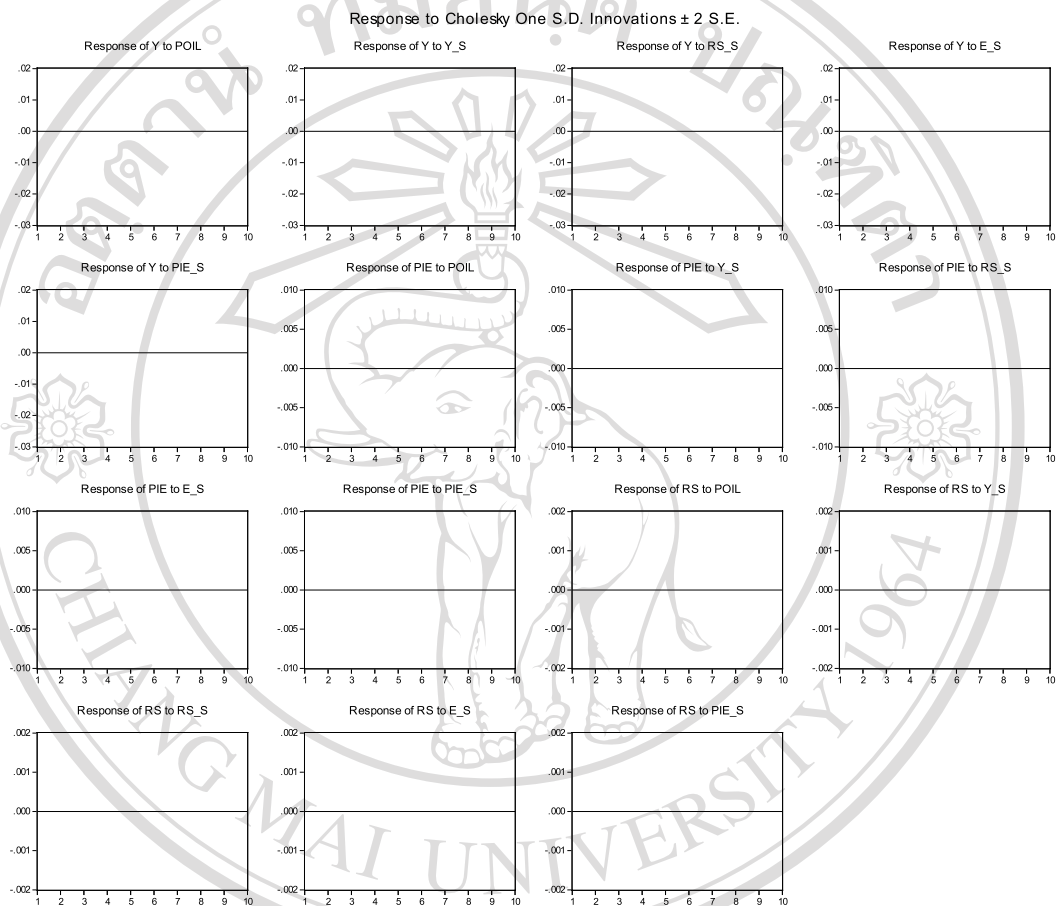
ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่
Copyright© by Chiang Mai University
All rights reserved

ผลการวิเคราะห์การตอบสนองของตัวแปรเศรษฐกิจมหภาคภายในประเทศ
ต่อตัวแปรเศรษฐกิจมหภาคของประเทศมาเลเซีย



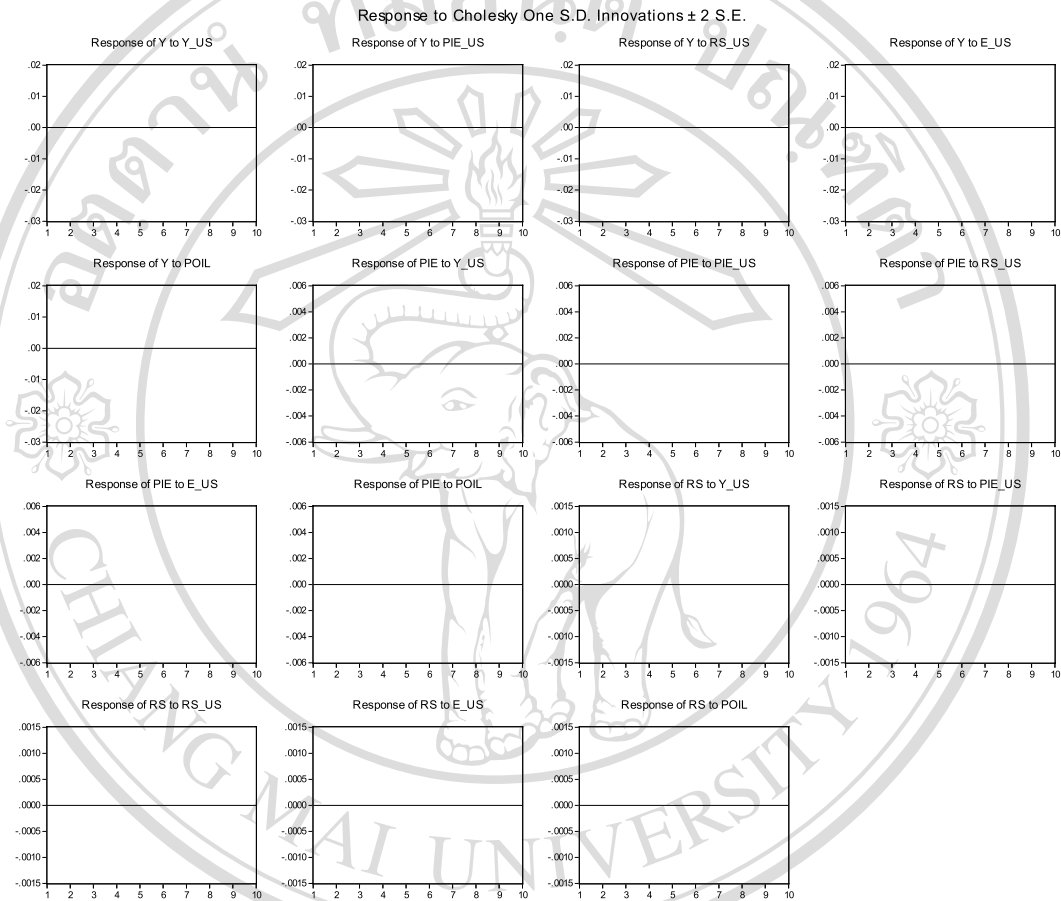
ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่
Copyright© by Chiang Mai University
All rights reserved

ผลการวิเคราะห์การตอบสนองของตัวแปรเศรษฐกิจมหภาคภายในประเทศ
ต่อตัวแปรเศรษฐกิจมหภาคของประเทศสิงคโปร์



ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่
Copyright© by Chiang Mai University
All rights reserved

ผลการวิเคราะห์การตอบสนองของตัวแปรเศรษฐกิจมหภาคภายในประเทศ
ต่อตัวแปรเศรษฐกิจมหภาคของประเทศสหรัฐอเมริกา



ประวัติผู้เขียน

ชื่อ นางสาวธารทิพย์ ศรีสุวรรณเกศ

วัน เดือน ปีเกิด 15 กันยายน 2525

ประวัติการศึกษา สำเร็จการศึกษามัธยมศึกษาตอนปลาย โรงเรียนพะเยาพิทยาคม

ปีการศึกษา 2543

สำเร็จการศึกษาปริญญาตรี วิทยาศาสตร์บัณฑิต สาขาสถิติ

มหาวิทยาลัยเชียงใหม่ ปีการศึกษา 2547



ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่

Copyright© by Chiang Mai University

All rights reserved