LAMPIRAN

Lampiran 1. Data Inflasi, IHK, dan Indeks 7 Kelompok Pengeluaran.

Bulan-Tahun	X_1	X_2	X_3	X_4	X_5	X_6	X_7	X_8	Y
Jan-00	4.52	-0.15	0.29	1.49	-0.03	0.00	0.59	207.50	1.65
Feb-00	-0.95	-0.53	1.90	2.61	0.00	0.00	1.55	208.50	0.48
Mar-00	1.32	-0.05	0.34	0.15	0.00	0.00	0.09	209.63	0.54
Apr-00	0.3	2.77	0.22	1.19	0.21	0.00	2.30	211.14	0.72
May-00	0.91	0.37	1.38	0.91	0.00	0.00	0.77	211.69	0.25
Jun-00	0.75	0.93	1.78	2.28	0.01	0.00	0.00	213.83	1.01
Jul-00	2.42	0.37	1.22	1.78	4.47	0.00	0.64	217.07	1.52
Aug-00	-0.88	0.36	0.86	-0.19	0.13	7.88	1.19	218.36	0.59
Sep-00	-3.86	0.46	0.57	1.38	0.10	9.70	0.04	217.65	-0.33
Oct-00	-2.78	0.04	1.47	1.01	0.22	1.27	3.01	217.90	0.11
Nov-00	3.02	4.24	2.05	0.68	-0.02	0.07	0.23	222.39	2.05
Dec-00	2.41	-0.11	-0.18	1.03	0.07	0.02	0.60	224.15	0.79
Jan-01	0.91	0.02	1.75	0.79	0.49	0.04	-0.06	225.89	0.78
Feb-01	5.04	0.05	0.45	0.00	0.32	0.10	0.04	229.58	1.63
Mar-01	1.90	0.60	0.28	0.70	0.00	0.09	1.54	231.87	1.00
Apr-01	-0.71	0.25	1.22	1.89	5.36	0.00	3.01	233.95	0.50
May-01	-0.01	2.58	0.59	2.20	0.05	0.00	0.56	235.58	0.70
Jun-01	0.70	0.11	0.52	0.85	0.00	0.92	2.30	237.43	0.79
Jul-01	5.57	1.70	1.41	0.34	0.01	0.35	3.93	244.27	2.68
Aug-01	-5.05	-0.19	0.60	-2.34	0.00	3.90	0.00	241.01	-1.33
Sep-01	-0.48	0.25	2.52	0.06	0.32	1.93	0.00	242.61	0.66

Oct-01	3.91	0.79	1.19	1.05	0.20	0.01	0.09	246.61	1.65
Nov-01	3.66	0.55	0.72	1.88	0.61	1.20	0.05	250.49	1.57
Dec-01	-2.75	2.26	0.83	1.33	0.27	0.23	0.25	249.97	-0.21
Jan-02	3.75	2.06	0.67	0.60	0.41	0.00	0.39	254.20	1.69
Feb-02	4.47	0.72	0.99	0.39	1.52	0.00	1.18	259.23	1.98
Mar-02	-2.68	0.86	2.90	0.08	0.08	0.01	4.37	260.84	0.62
Apr-02	-0.35	-0.18	0.78	0.17	1.33	0.00	0.88	261.54	0.27
May-02	0.99	0.60	0.89	0.42	0.87	0.00	1.86	264.00	0.94
Jun-02	-2.24	-0.22	1.58	0.18	0.03	0.35	0.00	263.29	-0.27
Jul-02	0.20	0.82	0.88	0.56	3.41	5.20	0.60	265.92	1.00
Aug-02	1.58	0.07	0.48	1.19	0.00	6.91	-0.15	268.77	1.07
Sep-02	-0.18	0.82	3.94	-0.02	0.20	3.06	-0.30	272.13	1.25
Oct-02	-1.81	1.11	0.65	0.53	1.52	0.00	0.66	272.10	-0.01
Nov-02	4.17	1.79	0.40	0.75	0.12	0.76	0.05	276.57	1.64
Dec-02	4.22	0.79	1.14	0.34	0.00	0.00	0.00	281.18	1.67
Jan-03	-0.09	0.67	1.83	1.03	0.00	0.12	0.80	283.19	0.71
Feb-03	-4.17	0.82	1.88	1.21	0.06	0.03	0.95	281.95	-0.44
Mar-03	0.50	-0.06	1.45	0.72	0.56	0.00	0.10	283.67	0.61
Apr-03	1.61	1.09	0.35	1.04	0.19	0.00	0.15	285.89	0.78
May-03	-3.02	-0.30	0.59	0.51	0.19	0.78	1.17	284.46	-0.50
Jun-03	-0.12	0.13	1.23	0.83	0.87	0.00	0.01	285.63	0.41
Jul-03	-2.15	-0.59	0.55	-0.12	0.05	0.00	-0.18	284.03	-0.56
Aug-03	-0.24	-0.42	0.60	-0.01	0.97	5.94	0.00	285.42	0.49
Sep-03	-0.96	0.11	0.58	2.02	0.00	3.22	3.07	287.36	0.68
Oct-03	2.21	2.64	0.93	0.60	0.00	0.09	0.00	290.93	1.24
Nov-03	1.39	0.19	0.28	0.86	0.16	-0.03	0.36	292.63	0.58

Dec-03	0.46	0.51	0.02	2.72	1.08	0.02	0.53	294.01	0.47
Jan-04	3.65	0.00	1.40	0.89	0.00	0.41	0.00	112.79	1.36
Feb-04	-2.75	0.00	0.53	1.14	0.20	0.09	0.26	112.38	-0.36
Mar-04	1.71	0.43	0.47	0.08	0.50	-0.06	0.31	113.13	0.67
Apr-04	0.59	0.30	0.33	0.25	0.23	0.06	0.85	113.63	0.44
May-04	-0.10	0.49	0.39	-0.18	0.06	0.05	5.55	114.74	0.98
Jun-04	1.80	-0.05	-0.03	0.18	0.95	-0.13	0.11	115.25	0.44
Jul-04	-0.17	-0.59	0.04	0.19	0.11	0.08	0.04	115.22	-0.03
Aug-04	-3.50	0.16	0.67	0.19	0.01	3.95	0.77	114.98	-0.21
Sep-04	-2.31	-0.19	0.25	-0.03	0.52	0.00	0.00	114.48	-0.43
Oct-04	-0.46	0.11	0.61	0.03	0.06	2.64	-0.04	114.79	0.27
Nov-04	2.16	0.80	0.10	1.47	0.04	0.42	0.06	115.62	0.72
Dec-04	5.06	3.21	0.85	0.42	-0.11	0.00	0.71	117.91	1.98
Jan-05	2.09	0.51	1.16	0.02	0.01	0.00	0.94	119.19	1.09
Feb-05	-2.01	0.31	0.45	0.01	-0.33	0.00	0.76	119.00	-0.16
Mar-05	2.38	0.43	0.25	0.00	0.09	0.00	8.76	121.38	2.00
Apr-05	-1.38	0.39	0.04	0.05	0.04	0.10	0.24	121.14	-0.20
May-05	0.15	-0.06	0.19	0.12	0.00	-0.02	0.00	121.25	0.09
Jun-05	-0.73	0.22	0.05	0.03	0.09	-0.01	0.29	121.17	-0.07
Jul-05	2.92	0.10	0.50	-0.11	0.30	0.07	0.00	122.19	0.84
Aug-05	2.80	0.43	0.57	0.17	0.00	0.00	0.15	123.31	0.92
Sep-05	-1.09	0.54	0.08	0.46	0.27	0.10	1.17	123.40	0.07
Oct-05	4.96	0.12	3.34	0.22	3.00	0.21	27.95	131.87	6.86
Nov-05	-0.36	0.06	1.68	0.32	0.27	-0.74	-0.17	132.43	0.42
Dec-05	-3.11	-0.12	-0.55	-0.09	0.56	-0.05	-0.16	131.24	-0.90
Jan-06	3.17	0.38	0.56	1.58	0.15	0.02	-0.38	132.44	0.91

Feb-06	3.35	0.36	2.47	0.48	0.00	0.47	0.49	134.73	1.73
Mar-06	-1.61	0.68	0.18	-0.43	-0.43	-0.02	0.13	134.44	-0.22
Apr-06	0.24	0.13	0.16	0.44	0.19	0.01	0.00	134.63	0.14
May-06	-1.17	0.60	0.01	0.75	0.01	0.02	0.46	134.56	-0.05
Jun-06	1.95	-0.03	0.09	-0.39	0.02	-0.02	0.18	135.19	0.47
Jul-06	-0.22	2.12	0.09	0.22	-0.04	0.01	0.00	135.56	0.27
Aug-06	-1.91	0.02	0.12	-0.21	0.01	-0.01	-0.10	135.01	-0.41
Sep-06	-0.91	0.77	-0.11	-0.22	-0.10	3.52	-0.25	135.03	0.01
Oct-06	0.51	0.38	1.32	-0.38	-0.09	0.00	0.12	135.85	0.61
Nov-06	0.75	0.05	0.32	-0.17	0.21	-0.05	0.14	136.25	0.29
Dec-06	1.97	0.18	0.01	0.06	0.39	-0.06	-0.05	136.88	0.46
Jan-07	4.43	1.28	1.47	-0.22	-0.05	0.00	0.24	139.17	1.67
Feb-07	0.59	0.28	0.14	0.11	0.06	-0.25	0.25	139.53	0.26
Mar-07	0.35	0.38	0.42	-1.33	0.00	0.00	0.16	139.88	0.25
Apr-07	-0.18	0.61	0.48	0.73	0.37	0.00	0.45	140.33	0.32
May-07	-0.60	0.13	-0.10	-0.01	-0.07	-0.11	0.41	140.21	-0.09
Jun-07	-0.65	0.47	0.20	0.63	0.01	-0.02	0.30	140.29	0.06
Jul-07	0.85	-0.17	0.61	0.29	-0.23	1.40	0.00	140.91	0.44
Aug-07	-0.21	1.86	0.03	-0.38	0.25	1.69	0.30	141.42	0.36
Sep-07	1.94	0.02	0.26	0.15	0.01	1.54	-0.29	142.20	0.55
Oct-07	-0.67	0.03	0.32	0.18	0.01	0.03	0.38	142.25	0.04
Nov-07	2.74	0.00	0.25	0.70	0.32	-0.10	0.00	143.30	0.74
Dec-07	3.88	1.18	0.17	-0.25	0.01	0.05	0.37	144.97	1.17
Jan-08	7.23	2.40	0.49	2.04	0.18	0.14	1.19	148.59	2.50
Feb-08	-0.03	0.41	1.37	0.56	0.17	0.10	-0.23	149.29	0.47
Mar-08	-0.45	0.07	1.22	0.78	0.44	0.03	0.14	149.83	0.36

Apr-08	0.69	0.47	0.22	-0.05	0.22	0.39	-1.21	150.00	0.11
May-08	1.15	0.35	0.36	-0.59	0.73	0.45	3.92	151.73	1.15
Jun-08	-0.09	0.02	0.65	0.03	0.05	0.28	7.71	106.95	1.78
Jul-08	2.48	1.93	1.83	0.82	0.04	1.93	0.71	108.69	1.63
Aug-08	1.84	2.89	0.31	1.13	0.09	2.17	0.07	109.88	1.09
Sep-08	-0.60	0.68	0.61	0.12	0.01	1.24	0.68	110.31	0.39
Oct-08	-0.03	0.76	0.29	-0.65	0.32	-0.05	0.70	110.66	0.32
Nov-08	1.79	0.13	-0.01	0.38	0.16	-0.16	0.23	111.15	0.44
Dec-08	1.91	1.60	1.19	1.73	0.06	0.13	-3.51	111.46	0.28
Jan-09	0.32	0.10	0.57	-0.42	-0.22	0.35	-2.14	111.23	-0.21
Feb-09	3.24	1.54	0.44	4.14	0.04	0.04	-1.07	112.32	0.98
Mar-09	2.52	0.16	0.14	-0.45	17.79	0.05	-0.01	113.84	1.35
Apr-09	-4.17	-0.03	0.49	0.00	0.61	0.18	0.64	113.15	-0.61
May-09	-0.73	0.32	0.10	-1.81	0.17	0.23	-0.22	112.96	-0.17
Jun-09	-0.31	1.83	0.14	-0.18	-0.41	-0.06	-0.23	113.15	0.17
Jul-09	0.74	0.26	-0.02	0.01	0.65	1.45	0.26	113.58	0.38
Aug-09	2.04	0.98	0.84	0.29	-0.20	-4.14	-0.01	114.15	0.50
Sep-09	2.11	0.69	0.85	0.60	0.17	0.24	0.18	115.15	0.88
Oct-09	1.26	0.13	0.32	0.31	0.20	-0.03	-0.26	115.55	0.35
Nov-09	-0.49	0.40	0.48	0.52	-0.07	0.07	-0.03	115.67	0.10
Dec-09	0.73	2.13	0.19	0.63	0.22	0.02	-0.01	116.33	0.57
Jan-10	1.67	1.15	1.23	-0.41	0.06	-0.10	0.43	117.43	0.95
Feb-10	2.10	0.45	0.34	-0.47	-0.98	-0.27	0.09	118.08	0.55
Mar-10	-1.22	0.78	0.22	-0.36	0.99	0.02	-0.16	117.98	-0.08
Apr-10	-0.94	-0.05	0.01	1.11	0.13	0.06	-0.12	117.76	-0.19
May-10	2.66	0.60	0.08	0.18	0.02	0.00	0.01	118.59	0.70

Jun-10	3.01	0.35	0.09	-0.68	0.10	-0.01	0.13	119.47	0.74
Jul-10	6.92	1.96	0.51	0.41	-0.10	4.45	0.01	122.25	2.33
Aug-10	-1.22	2.61	3.77	0.14	0.29	0.51	-0.04	123.70	1.19
Sep-10	-0.09	0.41	0.39	0.35	0.27	0.09	0.17	123.97	0.22
Oct-10	-1.09	0.62	0.37	0.84	0.18	0.07	-0.40	123.87	-0.08
Nov-10	2.10	0.14	0.03	1.83	0.01	-0.05	0.03	124.58	0.57
Dec-10	3.38	0.76	0.10	-0.04	0.17	-0.20	0.11	125.75	0.94
Jan-11	2.93	0.29	0.22	0.08	0.15	-0.18	1.26	127.04	1.03
Feb-11	-0.91	0.47	0.43	-0.26	0.69	-0.09	0.03	127.03	-0.01
Mar-11	-0.64	1.44	0.56	0.62	0.07	-0.03	-0.09	127.33	0.24
Apr-11	-0.80	0.76	0.02	0.45	0.11	0.01	0.05	127.28	-0.04
May-11	-0.97	0.24	0.55	0.82	0.28	0.00	0.01	127.30	0.02
Jun-11	0.32	0.84	1.35	0.16	0.81	1.23	0.71	128.37	0.84
Jul-11	3.09	0.25	0.02	-0.42	0.24	0.08	0.08	129.36	0.77
Aug-11	-0.97	0.24	0.32	1.93	-0.07	0.00	0.24	129.38	0.02
Sep-11	-0.54	0.54	0.03	1.63	0.02	0.04	-0.01	129.42	0.03
Oct-11	0.51	-0.04	0.38	0.13	-0.33	0.00	-0.42	129.52	0.13
Nov-11	0.01	0.35	0.05	0.66	0.47	0.00	0.34	129.82	0.18
Dec-11	1.52	0.39	0.13	0.31	-0.03	0.03	0.16	130.46	0.49
Jan-12	1.06	0.64	1.25	0.15	0.27	-0.05	1.08	131.64	0.90
Feb-12	1.06	1.93	0.63	0.49	0.05	0.09	-0.75	132.47	0.63
Mar-12	0.19	1.23	0.04	0.69	0.91	1.09	0.41	133.08	0.46
Apr-12	0.21	0.70	0.30	-0.83	-0.18	0.19	0.12	133.41	0.25
May-12	-0.89	0.50	0.06	-0.16	0.03	-0.08	0.39	133.34	-0.05
Jun-12	1.36	0.26	0.58	-0.29	0.10	0.28	-0.57	133.92	0.43
Jul-12	1.34	0.28	0.48	-0.07	0.19	0.24	1.16	134.88	0.72

Aug-12	0.24	0.05	0.05	0.18	-0.01	2.31	-0.29	135.13	0.19
Sep-12	-0.63	0.14	0.03	0.91	0.13	2.32	-0.63	135.08	-0.04
Oct-12	0.04	2.48	-0.11	0.23	-0.07	0.01	0.04	135.63	0.41
Nov-12	0.05	0.19	0.01	-0.22	0.15	-0.08	0.55	135.81	0.13
Dec-12	1.91	-0.04	0.59	-0.15	0.55	-0.02	-0.24	136.60	0.58
Jan-13	4.32	0.11	1.08	-0.38	0.17	0.00	0.39	138.52	1.41
Feb-13	3.33	0.28	1.18	-0.76	0.13	0.04	0.11	140.17	1.19
Mar-13	3.95	0.30	0.09	-0.29	0.17	0.05	0.12	141.69	1.08
Apr-13	-0.48	0.08	0.07	-0.18	0.09	-0.01	-0.17	141.51	-0.13
May-13	-3.68	0.68	0.75	-0.67	0.19	0.19	-0.18	140.58	-0.66
Jun-13	-0.93	0.21	0.16	-0.18	0.02	0.00	3.80	141.24	0.47
Jul-13	4.51	2.19	0.31	-1.01	0.56	0.12	7.33	145.21	2.81
Aug-13	1.26	0.10	0.90	0.91	0.17	1.85	0.60	146.42	0.83
Sep-13	-2.40	0.16	0.16	0.92	0.19	1.95	-0.49	145.76	-0.45
Oct-13	-1.13	0.08	0.09	0.32	-0.79	0.00	0.07	145.39	-0.25
Nov-13	0.10	-0.02	0.65	0.21	0.80	0.00	0.68	145.92	0.36
Dec-13	1.46	0.92	0.06	-0.12	-0.22	-0.02	-0.04	146.64	0.49
Jan-14	0.47	0.23	0.20	0.04	0.24	0.03	0.07	109.14	1.26
Feb-14	0.10	0.23	0.00	0.02	0.02	0.00	-0.01	109.54	0.37
Mar-14	0.11	0.01	0.02	-0.01	0.08	0.01	0.10	109.89	0.32
Apr-14	-0.21	0.05	0.19	0.01	0.06	-0.01	0.04	110.03	0.13
May-14	0.05	0.07	0.00	0.03	0.03	0.03	0.09	110.37	0.31
Jun-14	-0.33	0.08	0.07	0.01	0.01	0.00	-0.01	110.15	-0.20
Jul-14	0.19	0.05	0.15	0.00	0.00	0.04	0.06	110.69	0.49
Aug-14	0.17	0.08	0.15	0.01	0.00	0.24	-0.01	111.42	0.66
Sep-14	-0.02	0.00	0.25	0.01	0.02	0.01	-0.07	111.65	0.21

Oct-14	0.00	0.13	0.31	0.04	0.04	0.01	0.09	112.35	0.63
Nov-14	0.59	0.01	0.26	-0.01	0.03	0.01	0.74	114.17	1.62
Dec-14	0.92	0.02	0.22	0.03	0.03	0.00	0.76	116.44	1.99
Jan-15	-0.56	-3.44	0.50	-2.32	1.83	0.13	-8.62	116.35	-0.08
Feb-15	-0.12	0.03	0.36	0.55	0.36	0.09	-1.42	116.19	-0.14
Mar-15	-0.13	0.42	-0.06	-0.05	0.24	0.07	0.53	116.35	0.14
Apr-15	-1.22	0.66	0.74	0.17	0.27	0.00	1.61	116.81	0.40
May-15	0.67	0.42	0.41	0.31	0.73	0.06	0.11	117.26	0.39
Jun-15	0.48	0.22	0.10	-0.19	0.29	0.03	-0.13	117.42	0.14
Jul-15	1.77	-0.01	0.20	0.13	1.42	1.54	1.63	118.51	0.93
Aug-15	1.27	0.03	0.04	0.61	0.73	1.71	-0.73	118.91	0.34
Sep-15	-1.26	0.13	0.08	1.73	0.03	0.43	-0.75	118.65	-0.22
Oct-15	-2.69	0.24	-0.04	-0.09	-0.14	0.03	-0.27	117.99	-0.56
Nov-15	1.39	0.05	0.15	0.19	0.89	0.03	0.13	118.46	0.40
Dec-15	2.72	1.26	0.71	-0.24	0.27	0.03	0.16	119.58	0.95
Jan-16	2.59	0.27	-0.22	2.11	0.73	-0.02	-0.80	120.16	0.49
Feb-16	1.05	0.58	-0.81	1.08	0.19	0.04	-0.46	120.25	0.07
Mar-16	0.10	0.40	-0.29	0.30	0.68	0.18	-0.12	120.32	0.06
Apr-16	0.10	0.84	-0.35	0.86	0.43	0.01	-1.83	120.08	-0.20
May-16	-0.99	1.33	0.05	0.39	0.03	0.09	0.33	120.21	0.11
Jun-16	1.02	0.33	0.13	0.07	0.02	-0.06	0.54	120.68	0.39
Jul-16	0.83	0.14	0.24	0.04	0.09	0.11	1.34	121.29	0.51
Aug-16	0.22	0.31	0.76	0.43	0.30	2.81	-0.72	121.83	0.45
Sep-16	-0.21	0.87	0.22	1.00	0.14	-0.25	0.37	122.15	0.26
Oct-16	-1.52	1.34	0.39	-0.87	0.28	0.21	-1.07	121.92	-0.19
Nov-16	0.42	0.69	0.16	0.31	0.33	-0.03	0.07	122.26	0.28

Dec-16	0.86	0.35	0.12	-0.41	0.40	0.00	2.38	123.10	0.69
Jan-17	0.48	0.11	0.18	0.01	0.01	0.01	0.59	124.81	1.39
Feb-17	0.29	0.02	0.06	0.00	0.01	0.02	0.03	125.33	0.42
Mar-17	-0.19	0.01	0.08	0.04	0.02	0.00	0.06	125.35	0.02
Apr-17	-0.10	0.01	0.07	-0.02	0.00	0.01	0.11	125.44	0.07
May-17	-0.21	0.25	0.03	-0.02	-0.01	-0.02	0.10	125.58	0.11
Jun-17	-0.24	0.09	0.07	0.03	0.02	0.01	0.02	125.57	-0.01
Jul-17	0.04	0.06	-0.02	0.01	-0.01	0.03	0.01	125.72	0.12
Aug-17	0.01	0.04	0.01	0.01	0.02	0.11	0.08	126.05	0.26
Sep-17	-0.32	0.00	0.03	0.04	0.00	0.00	-0.10	125.64	-0.33
Oct-17	-0.22	0.12	0.05	-0.02	0.01	0.08	-0.07	125.58	-0.05
Nov-17	0.22	-0.01	-0.01	-0.01	0.02	0.00	-0.02	125.82	0.19
Dec-17	0.65	0.37	0.08	-0.04	0.00	0.00	0.01	127.17	1.07
Jan-18	0.59	0.03	0.08	0.01	0.00	0.01	0.23	128.37	0.94
Feb-18	0.35	0.13	0.10	-0.03	0.02	0.00	0.08	129.21	0.65
Mar-18	0.08	-0.02	-0.01	0.03	0.06	0.01	-0.01	129.40	0.15
Apr-18	-0.05	0.06	-0.05	0.04	0.02	0.00	0.05	129.49	0.07
May-18	-0.18	0.04	0.00	0.01	0.02	0.05	0.02	129.45	-0.03
Jun-18	0.25	-0.01	0.06	-0.01	0.00	-0.01	0.09	129.94	0.38
Jul-18	0.14	0.01	-0.01	0.02	0.05	0.15	0.12	130.56	0.48
Aug-18	0.07	0.09	0.08	-0.01	0.02	0.01	-0.02	130.86	0.23
Sep-18	-0.55	0.01	0.06	-0.04	0.02	0.00	-0.07	130.18	-0.52
Oct-18	-0.17	0.02	-0.04	0.04	-0.06	0.01	0.10	130.05	-0.10
Nov-18	0.08	0.04	0.05	0.04	-0.02	0.06	0.08	130.49	0.34
Dec-18	0.53	0.00	0.07	-0.03	0.01	0.00	0.19	131.50	0.77
Jan-19	0.09	0.23	0.05	0.01	0.01	0.02	0.22	132.31	0.62

Feb-19	-0.24	0.10	0.04	0.02	0.05	0.01	-0.41	131.74	-0.43
Mar-19	0.14	0.05	-0.02	-0.01	0.02	-0.01	0.06	132.05	0.24
Apr-19	0.02	-0.01	0.01	0.00	0.00	0.04	0.20	132.39	0.26
May-19	-0.09	0.09	0.02	0.00	0.02	0.01	0.17	132.68	0.22
Jun-19	-0.05	0.05	0.02	0.04	0.01	-0.01	-0.02	132.73	0.04
Jul-19	0.32	0.00	0.11	0.13	0.03	0.04	-0.04	133.52	0.60
Aug-19	0.00	0.02	-0.01	0.05	0.03	0.44	-0.13	134.06	0.40
Sep-19	-0.49	0.09	-0.01	-0.09	0.00	0.00	-0.02	133.36	-0.52
Oct-19	0.20	-0.01	0.03	-0.02	-0.03	0.00	-0.03	133.56	0.15
Nov-19	-0.02	0.02	0.07	-0.01	0.01	0.01	-0.09	133.54	-0.01
Dec-19	0.27	0.38	0.02	-0.02	0.05	0.01	0.10	134.62	0.81

Keterangan:

X_1 : Bahan Makanan

X_2 : Makanan Jadi, Minuman, Rokok, dan Tembakau

X_3 : Perumahan

X_4 : Sandang

X_5 : Kesehatan

X_6 : Pendidikan, Rekreasi, dan Olahraga

X_7 : Transportasi dan Komunikasi

X_8 : Indeks Harga Konsumen

Y : Inflasi Kota Denpasar

Lampiran 2. Source Code MATLAB Proses Pelatihan dan Pengujian

MainProgram.m

```
clear all
clc

%parameter-parameter JST
n_input=8;
n_hidden=8;
n_output=1;
alpha=0.5;
epoch=5000;
toleransi_eror=0.00001;

%pembacaan data penjualan pada file excel
file_inflasi='D:\Ujian Proposal\Data Inflasi JST.xlsx';
[~, ~, raw] = xlsread(file_inflasi);
n = size(raw,1);
X1=xlsread(file_inflasi,1,strcat('B2:B',num2str(n)));
X2=xlsread(file_inflasi,1,strcat('C2:C',num2str(n)));
X3=xlsread(file_inflasi,1,strcat('D2:D',num2str(n)));
X4=xlsread(file_inflasi,1,strcat('E2:E',num2str(n)));
X5=xlsread(file_inflasi,1,strcat('F2:F',num2str(n)));
X6=xlsread(file_inflasi,1,strcat('G2:G',num2str(n)));
X7=xlsread(file_inflasi,1,strcat('H2:H',num2str(n)));
X8=xlsread(file_inflasi,1,strcat('I2:I',num2str(n)));

Target=xlsread(file_inflasi,1,strcat('J2:J',num2str(n)));

%normalisasi data inflasi
X1_norm=normalisasi(X1);
X2_norm=normalisasi(X2);
X3_norm=normalisasi(X3);
X4_norm=normalisasi(X4);
X5_norm=normalisasi(X5);
X6_norm=normalisasi(X6);
X7_norm=normalisasi(X7);
X8_norm=normalisasi(X8);

Target_norm=normalisasi(Target);

%data inflasi
data=[X1_norm X2_norm X3_norm X4_norm X5_norm X6_norm X7_norm
X8_norm Target_norm];
%menentukan data latih dan target output
data_latih=data(1:192,1:8);
target_output=data(1:192,9);

%membangkitkan bobot awal secara acak
[V W]=acakbobot(n_input, n_hidden, n_output);

%-----------------------------------------------%
%  Menampilkan Parameter JST Backptopagation  %
%-----------------------------------------------%
```

```
disp('-------------------------------------------------')
disp('          PARAMETER JST BACKPROPAGATION          ')
disp('-------------------------------------------------')
disp(['Jumlah Neuron Input   : ',num2str(n_input)])
disp(['Jumlah Neuron Hidden  : ',num2str(n_hidden)])
disp(['Jumlah Neuron Output  : ',num2str(n_output)])
disp(['Laju Pembelajaran     : ',num2str(alpha)])
disp(['Jumlah Epoch          : ',num2str(epoch)])
disp(['Toleransi Error       : ',num2str(toleransi_eror)])
disp('Data Latih            : ')
disp(data_latih)
disp('Target Output JST     : ')
disp(target_output)
disp('Bobot V Awal          : ')
disp(V)
disp('Bobot W Awal          : ')
disp(W)
disp('')

disp('-------------------------------------------------')
disp('                PROSES PELATIHAN                 ')
disp('-------------------------------------------------')
disp('')

jumlahdatalatih=size(data_latih,1);
eror=zeros(jumlahdatalatih,1);
mse=zeros(jumlahdatalatih,1);
for i=1:epoch
    disp(['Epoch Ke-',num2str(i)])
    for j=1:jumlahdatalatih
        [Z,Y]=perambatanmaju(data_latih(j,:),V,W,n_hidden,
n_output);

[V,W]=perambatanmundur(target_output(j,1),Y,data_latih(j,:),alpha,
Z,W,V);
        eror(j,1)=abs(target_output(j,:)-Y(1,:));
    end
    mse(i,1)=sum(eror.^2)/jumlahdatalatih;
    if mse(i,1)<=toleransi_eror
        break
    end
    disp(['MSE : ',num2str(mse(i,1))])
end

%menampilkan grafik konvergensi proses pelatihan
plot(mse)
title('Grafik Konvergensi Proses Pelatihan');
xlabel(strcat('Epoch ke-i, 0<i<',num2str(epoch)))
ylabel('MSE')

disp('-------------------------------------------------')
disp('                PROSES PENGUJIAN                 ')
disp('-------------------------------------------------')
disp('')

data_uji=data(193:252,1:8);
output_sebenarnya=data(193:252,9);
jumlahdatauji=size(data_uji,1);
```

```
hasilprediksi=zeros(jumlahdatauji,1);
for j=1:jumlahdatauji
    [Z,Y]=perambatanmaju(data_uji(j,:),V,W,n_hidden, n_output);
    hasilprediksi(j,1)=Y(1,:);
end

maxinflasi=max(Target);
mininflasi=min(Target);

%denormalisasi hasil prediksi
hasilprediksi_denormalisasi=zeros(jumlahdatauji,1);
outputsebenarnya_denormalisasi=zeros(jumlahdatauji,1);
for i=1:jumlahdatauji

hasilprediksi_denormalisasi(i,1)=denormalisasi(hasilprediksi(i,1),
maxinflasi,mininflasi);

outputsebenarnya_denormalisasi(i,1)=denormalisasi(output_sebenarny
a(i,1),maxinflasi,mininflasi);
end

%menampilkan grafik hasil prediksi
figure(2)
plot(outputsebenarnya_denormalisasi,'b')
hold on
plot(hasilprediksi_denormalisasi,'r')
title('Grafik Perbandingan Hasil Prediksi JST dengan Data
Sebenarnya');
xlabel(strcat('Data ke-i , 0<i<',num2str(jumlahdatauji)))
ylabel('Inflasi')
legend('Data Sebenarnya','Hasil Prediksi JST')

eror_hasilprediksi=abs((hasilprediksi_denormalisasi-
outputsebenarnya_denormalisasi));
disp('-------------------------------------------------')
disp('')
disp('')
fprintf('Data ke- \t X1 \t X2 \t X3 \t X4 \t X5 \t X6 \t X7 \t X8
\t\t Hasil JST \t\t\t Data Sebenarnya \t\t\t Error')
fprintf('\n')
for i=1:jumlahdatauji
    fprintf('%d \t\t\t',i)
    for j=1:size(data_uji,2)
        fprintf('%.3f \t',data_uji(i,j))
    end
    fprintf('\t %d', hasilprediksi_denormalisasi(i,1))
    fprintf('\t\t %d', outputsebenarnya_denormalisasi(i,1))
    fprintf('\t\t\t\t %d', eror_hasilprediksi(i,1))
    fprintf('\n')
end
```

acakbobot.m

```
function [V W]=acakbobot(n_input,n_hidden,n_output)
V=zeros(n_input+1,n_hidden);
W=rand(n_hidden+1,n_output);

%metode acak bobot nguyen-widrow
beta = 0.7*n_hidden^(1/n_input);
V(2:n_input+1,:) = rand(n_input,n_hidden) - 0.5;
for i = 1:n_hidden
    norma(i) = sqrt(sum(V(2:n_input+1,i).^2));
    V(2:n_input+1,i) = (beta*V(2:n_input+1,i))/norma(i); %bobot V
end
V(1,:)=(2*beta*rand(1,n_hidden) - beta); %menambahkan bias untuk
bobot V

W(1,:)=rand(1,n_output) - 0.5; %menambahkan bias untuk bobot W
W(2:n_hidden+1,:)=rand(n_hidden,n_output) - 0.5; %bobot W

end
```

normalisasi.m

```
function x=normalisasi(input)
[baris kolom]=size(input);
x=zeros(baris,kolom);

for i=1:baris
    for j=1:kolom
        x(i,j)=0.8*((input(i,j)-min(input))/(max(input)-
min(input)))+0.1;
    end
end
end
```

input2hidden.m

```
function Z=input2hidden(input,n_hidden,V)
Z=[];
[baris kolom]=size(input);

for j=1:n_hidden
    tem=0;
    for i=1:kolom
        tem=tem+V(i+1,j)*input(1,i);
    end
    tem=V(1,j)+tem;
    Z(1,j)=1/(1+exp(-(tem)));
end
end
```

hidden2output.m

```
function Y=hidden2output(Z,n_output,W)
Y=[];
[baris kolom]=size(Z);

for j=1:n_output
    tem=0;
    for i=1:kolom
        tem=tem+W(i+1,j)*Z(1,i);
    end
    tem=W(1,j)+tem;
    Y(1,j)=1/(1+exp(-(tem)));
end
end
```

perambatanmaju.m

```
function [Z Y]=perambatanmaju(input,V,W,n_hidden,n_output)
Z=input2hidden(input,n_hidden,V);
Y=hidden2output(Z,n_output,W);
end
```

output2hidden.m

```
function [Wbaru]=output2hidden(target_output,output,Z,alpha,W)
tao=(target_output-output).*output.*(1-output);

[baris kolom]=size(Z);
[baris1 kolom1]=size(tao);

for k=1:kolom1
    for j=1:kolom
        dw(j+1,k)=alpha*tao(k)*Z(1,j);
    end
    dw(1,k)=alpha*tao(k);
end

Wbaru=W+dw;

end
```

hidden2input.m

```
function
[Vbaru]=hidden2input(target_output,output,input,alpha,Z,W,V)
tao=(target_output-output).*output.*(1-output);
```

```
[baris kolom]=size(W);
[baris1 kolom1]=size(Z);
tao_tmp=[];
for j=1:kolom1
    temp=0;
    for i=1:length(tao)
        temp=temp+(tao(1,i)*W(j+1,i));
    end
    tao_tmp(1,j)=temp*Z(1,j)*(1-Z(1,j));
end

[baris2 kolom2]=size(tao_tmp);
[baris3 kolom3]=size(input);
[m,n]=size(V);
dv=zeros(m,n);

for j=1:kolom2
    for i=1:kolom3
        dv(i+1,j)=alpha*tao_tmp(1,j)*input(1,i);
    end
    dv(1,j)=alpha*tao_tmp(1,j);
end

Vbaru=V+dv;
end
```

perambatanmundur.m

```
function [Vbaru
Wbaru]=perambatanmundur(target_output,output,input,alpha,Z,W,V)
Wbaru=output2hidden(target_output,output,Z,alpha,W);
Vbaru=hidden2input(target_output,output,input,alpha,Z,W,V);
end
```

denormalisasi.m

```
function x=denormalisasi(data,maxdata,mindata)
x=((data-0.1)*maxdata-(data-0.1)*mindata)/0.8+mindata;
end
```

Lampiran 3. Hasil Uji Akurasi Seluruh Model Arsitektur JST

Hasil uji akurasi dari keseluruhan model. Model jaringan merepresentasikan [jumlah *neuron* input – jumlah *neuron* hidden – jumlah *neuron* output].

Model Jaringan	Jumlah Iterasi	Laju Pembelajaran	MAPE
[8-1-1]	5000	0.1	37.84 %
[8-2-1]	5000	0.1	22.50 %
[8-3-1]	5000	0.1	32.84 %
[8-4-1]	5000	0.1	30.90 %
[8-5-1]	5000	0.1	29.94 %
[8-6-1]	5000	0.1	33.93 %
[8-7-1]	5000	0.1	28.10 %
[8-8-1]	5000	0.1	31.89 %
[8-9-1]	5000	0.1	25.51 %
[8-10-1]	5000	0.1	30.75 %
[8-11-1]	5000	0.1	29.33 %
[8-12-1]	5000	0.1	29.92 %
[8-13-1]	5000	0.1	26.26 %
[8-14-1]	5000	0.1	31.44 %
[8-15-1]	5000	0.1	27.44 %
[8-16-1]	5000	0.1	31.91 %
[8-1-1]	5000	0.2	22.19 %
[8-2-1]	5000	0.2	25.46 %

[8-3-1]	5000	0.2	22.11 %
[8-4-1]	5000	0.2	17.63 %
[8-5-1]	5000	0.2	10.42 %
[8-6-1]	5000	0.2	22.62 %
[8-7-1]	5000	0.2	12.83 %
[8-8-1]	5000	0.2	17.37 %
[8-9-1]	5000	0.2	18.11 %
[8-10-1]	5000	0.2	13.78 %
[8-11-1]	5000	0.2	19.32 %
[8-12-1]	5000	0.2	15.61 %
[8-13-1]	5000	0.2	15.76 %
[8-14-1]	5000	0.2	22.64 %
[8-15-1]	5000	0.2	19.09 %
[8-16-1]	5000	0.2	17.19 %
[8-1-1]	5000	0.3	20.03 %
[8-2-1]	5000	0.3	21.22 %
[8-3-1]	5000	0.3	17.55 %
[8-4-1]	5000	0.3	17.77 %
[8-5-1]	5000	0.3	17.31 %
[8-6-1]	5000	0.3	14.41 %
[8-7-1]	5000	0.3	17.15 %
[8-8-1]	5000	0.3	14.74 %
[8-9-1]	5000	0.3	20.27 %

[8-10-1]	5000	0.3	18.14 %
[8-11-1]	5000	0.3	11.05 %
[8-12-1]	5000	0.3	13.29 %
[8-13-1]	5000	0.3	10.34 %
[8-14-1]	5000	0.3	10.45 %
[8-15-1]	5000	0.3	12.75 %
[8-16-1]	5000	0.3	13.01 %
[8-1-1]	5000	0.4	19.89 %
[8-2-1]	5000	0.4	19.33 %
[8-3-1]	5000	0.4	16.75 %
[8-4-1]	5000	0.4	20.50 %
[8-5-1]	5000	0.4	17.89 %
[8-6-1]	5000	0.4	15.94 %
[8-7-1]	5000	0.4	12.06 %
[8-8-1]	5000	0.4	12.12 %
[8-9-1]	5000	0.4	15.21 %
[8-10-1]	5000	0.4	10.78 %
[8-11-1]	5000	0.4	11.30 %
[8-12-1]	5000	0.4	12.96 %
[8-13-1]	5000	0.4	10.86 %
[8-14-1]	5000	0.4	11.23 %
[8-15-1]	5000	0.4	12.47 %
[8-16-1]	5000	0.4	13.24 %

[8-1-1]	5000	0.5	20.36 %
[8-2-1]	5000	0.5	17.18 %
[8-3-1]	5000	0.5	17.70 %
[8-4-1]	5000	0.5	14.70 %
[8-5-1]	5000	0.5	13.33 %
[8-6-1]	5000	0.5	13.29 %
[8-7-1]	5000	0.5	16.48 %
[8-8-1]	5000	0.5	17.67 %
[8-9-1]	5000	0.5	11.98 %
[8-10-1]	5000	0.5	11.85 %
[8-11-1]	5000	0.5	10.88 %
[8-12-1]	5000	0.5	11.46 %
[8-13-1]	5000	0.5	11.51 %
[8-14-1]	5000	0.5	9.88 %
[8-15-1]	5000	0.5	11.91 %
[8-16-1]	5000	0.5	9.55 %
[8-1-1]	5000	0.6	20.95 %
[8-2-1]	5000	0.6	20.84 %
[8-3-1]	5000	0.6	11.35 %
[8-4-1]	5000	0.6	19.00 %
[8-5-1]	5000	0.6	15.81 %
[8-6-1]	5000	0.6	16.16 %
[8-7-1]	5000	0.6	14.61 %

[8-8-1]	5000	0.6	11.60 %
[8-9-1]	5000	0.6	13.73 %
[8-10-1]	5000	0.6	15.42 %
[8-11-1]	5000	0.6	11.09 %
[8-12-1]	5000	0.6	13.21 %
[8-13-1]	5000	0.6	12.11 %
[8-14-1]	5000	0.6	11.56 %
[8-15-1]	5000	0.6	13.29 %
[8-16-1]	5000	0.6	10.67 %
[8-1-1]	5000	0.7	21.58 %
[8-2-1]	5000	0.7	11.12 %
[8-3-1]	5000	0.7	12.46 %
[8-4-1]	5000	0.7	12.98 %
[8-5-1]	5000	0.7	14.72 %
[8-6-1]	5000	0.7	13.83 %
[8-7-1]	5000	0.7	12.91 %
[8-8-1]	5000	0.7	12.69 %
[8-9-1]	5000	0.7	11.73 %
[8-10-1]	5000	0.7	13.57 %
[8-11-1]	5000	0.7	13.04 %
[8-12-1]	5000	0.7	11.99 %
[8-13-1]	5000	0.7	12.89 %
[8-14-1]	5000	0.7	12.85 %

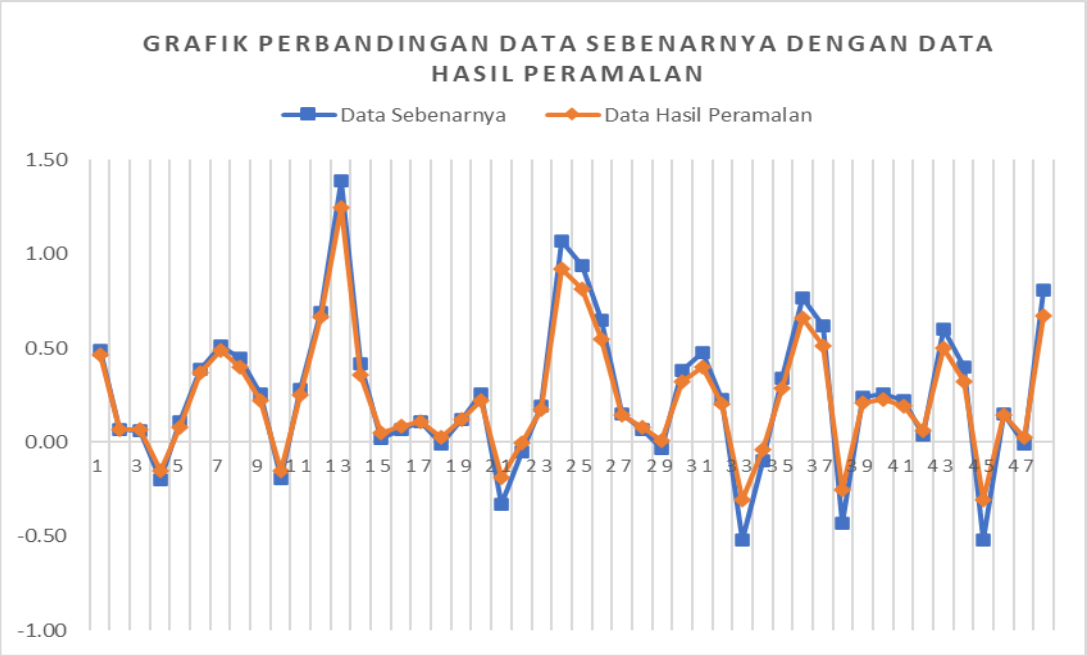
[8-15-1]	5000	0.7	11.85 %
[8-16-1]	5000	0.7	11.89 %
[8-1-1]	5000	0.8	22.23 %
[8-2-1]	5000	0.8	11.45 %
[8-3-1]	5000	0.8	17.19 %
[8-4-1]	5000	0.8	13.34 %
[8-5-1]	5000	0.8	13.05 %
[8-6-1]	5000	0.8	12.17 %
[8-7-1]	5000	0.8	14.48 %
[8-8-1]	5000	0.8	12.01 %
[8-9-1]	5000	0.8	13.53 %
[8-10-1]	5000	0.8	12.35 %
[8-11-1]	5000	0.8	14.06 %
[8-12-1]	5000	0.8	13.65 %
[8-13-1]	5000	0.8	13.58 %
[8-14-1]	5000	0.8	11.45 %
[8-15-1]	5000	0.8	12.50 %
[8-16-1]	5000	0.8	10.83 %
[8-1-1]	5000	0.9	22.92 %
[8-2-1]	5000	0.9	14.68 %
[8-3-1]	5000	0.9	16.07 %
[8-4-1]	5000	0.9	13.12 %
[8-5-1]	5000	0.9	15.97 %

[8-6-1]	5000	0.9	13.19 %
[8-7-1]	5000	0.9	12.96 %
[8-8-1]	5000	0.9	12.41 %
[8-9-1]	5000	0.9	13.14 %
[8-10-1]	5000	0.9	13.15 %
[8-11-1]	5000	0.9	12.03 %
[8-12-1]	5000	0.9	13.10 %
[8-13-1]	5000	0.9	12.09 %
[8-14-1]	5000	0.9	12.07 %
[8-15-1]	5000	0.9	12.92 %
[8-16-1]	5000	0.9	12.54 %

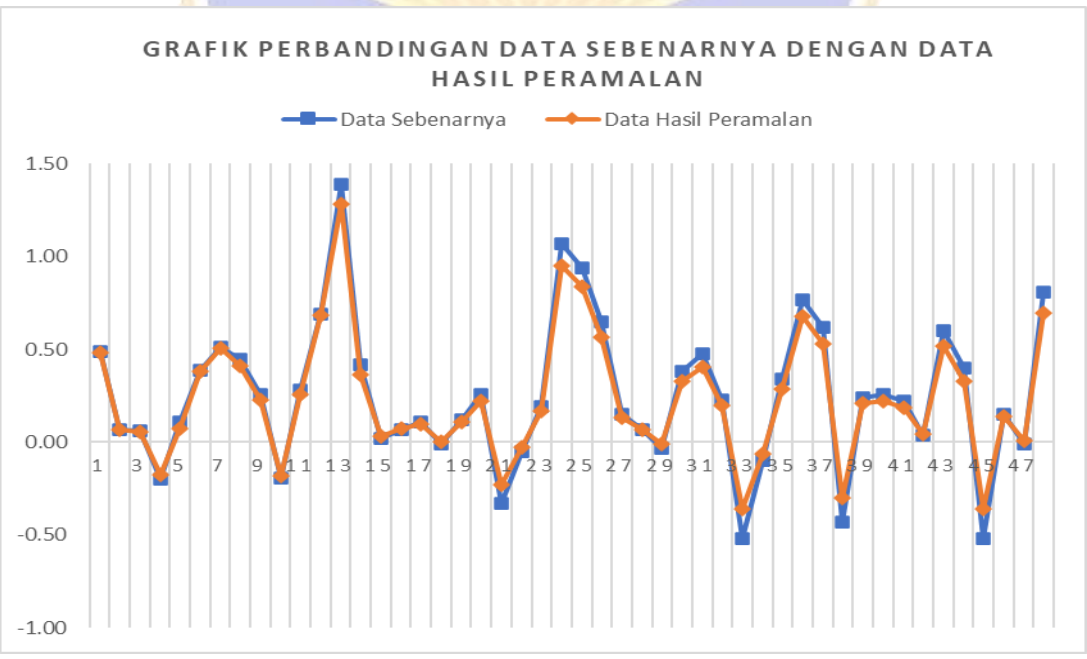
Lampiran 4. Grafik Perbandingan Hasil Peramalan dengan Data Aktual

Grafik perbandingan hasil peramalan dengan data aktual dari seluruh model.

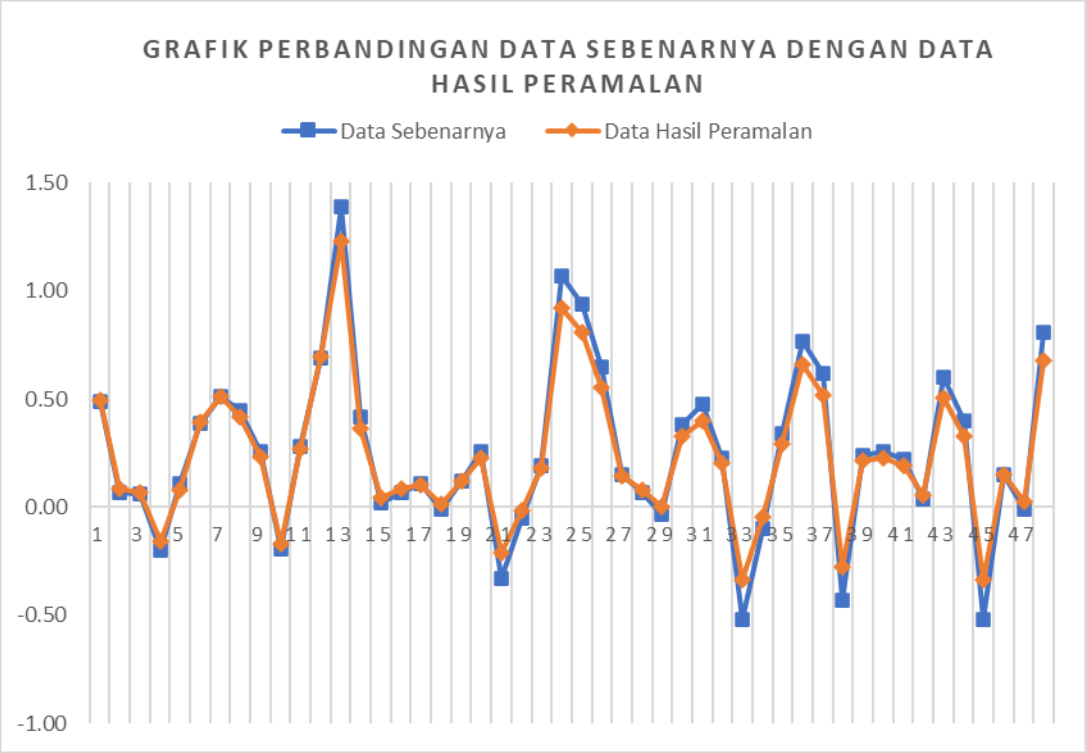
- Model jaringan [8-1-1], jumlah iterasi = 5000, alpha = 0.1, MAPE = 37.84 %



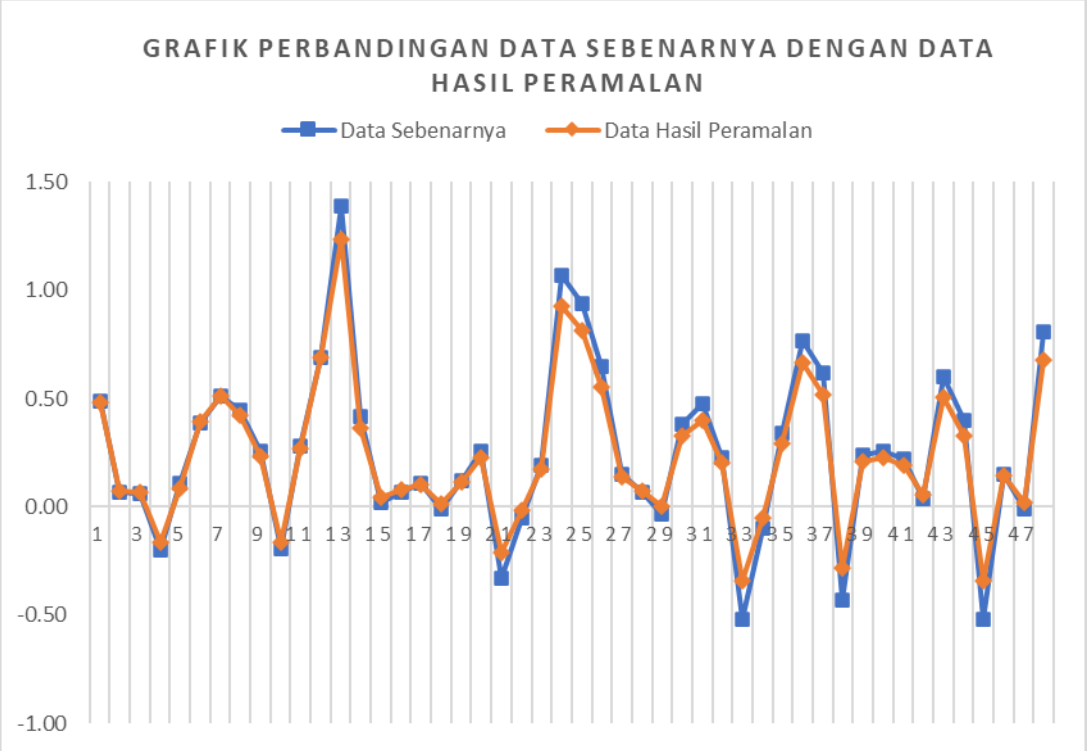
- Model jaringan [8-2-1], jumlah iterasi = 5000, alpha = 0.1, MAPE = 22.50 %



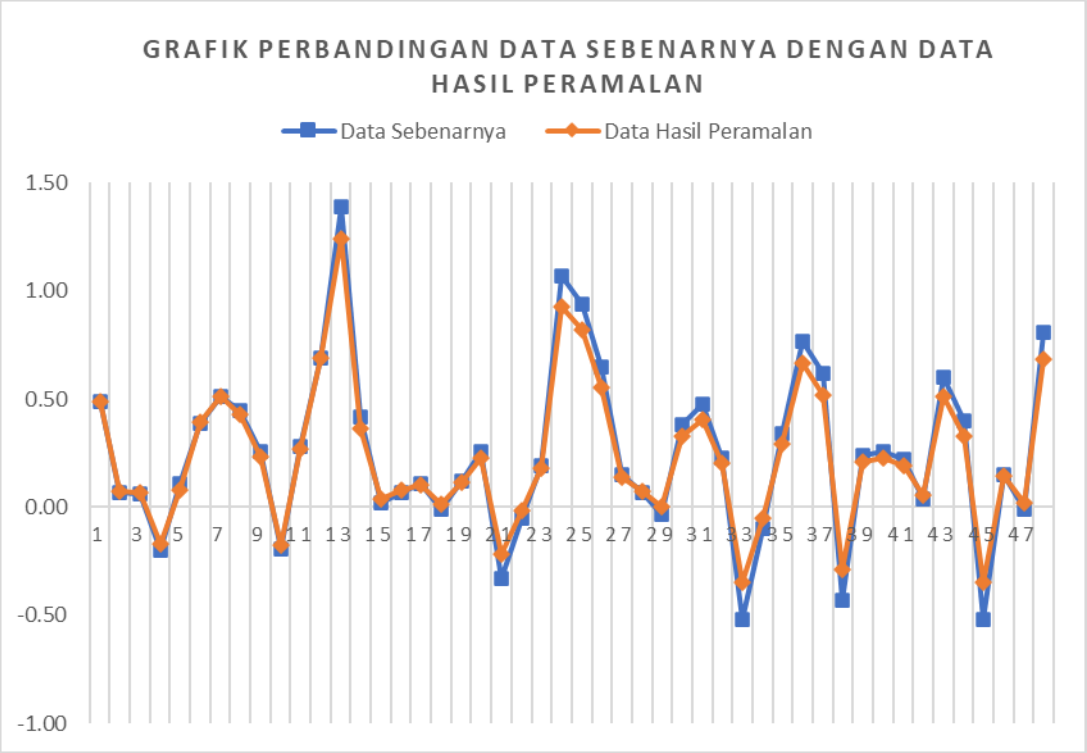
- Model jaringan [8-3-1], jumlah iterasi = 5000, alpha = 0.1, MAPE = 32.84 %



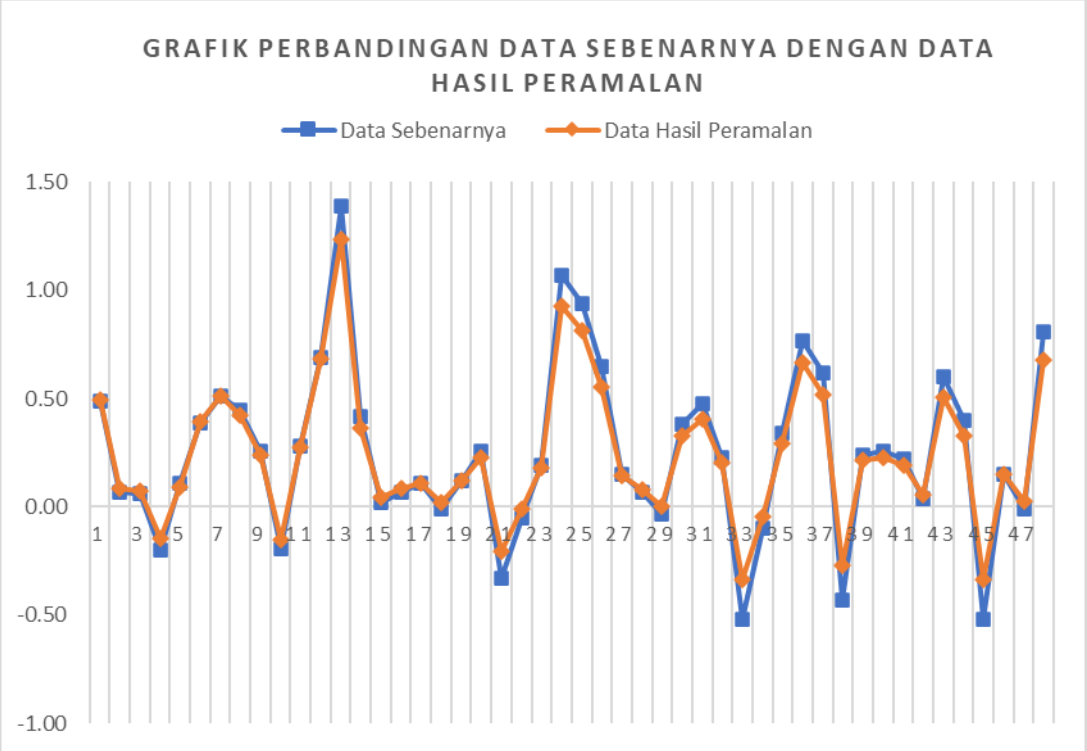
- Model jaringan [8-4-1], jumlah iterasi = 5000, alpha = 0.1, MAPE = 30.90 %



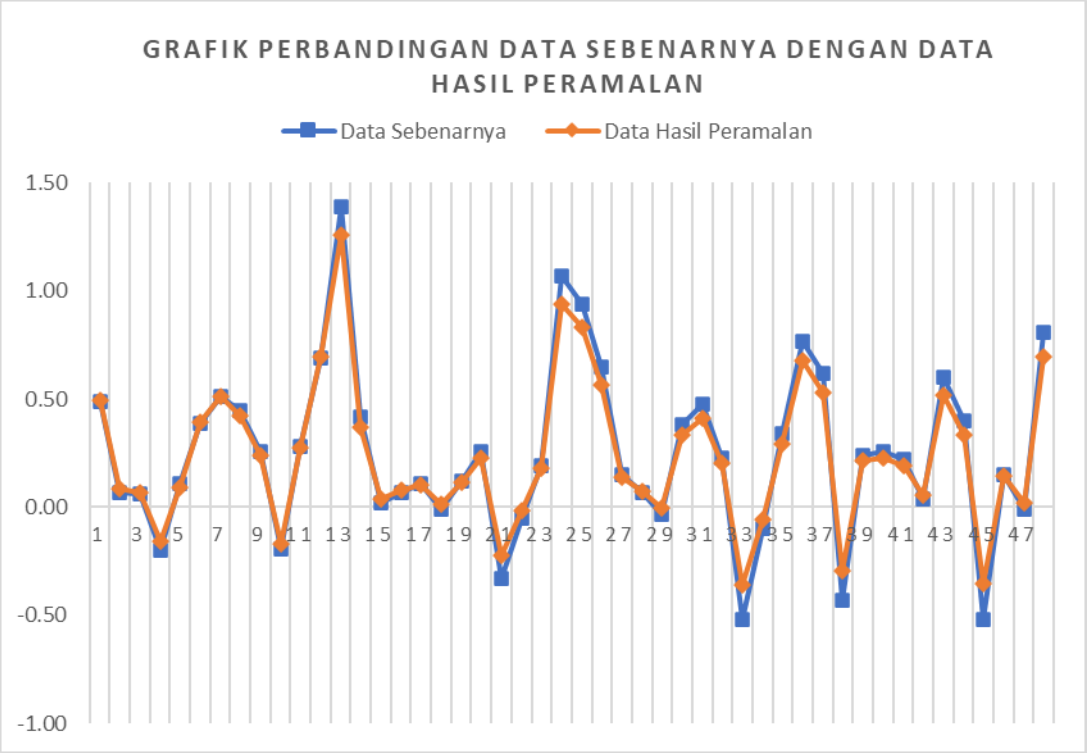
- Model jaringan [8-5-1], jumlah iterasi = 5000, alpha = 0.1, MAPE = 29.94 %



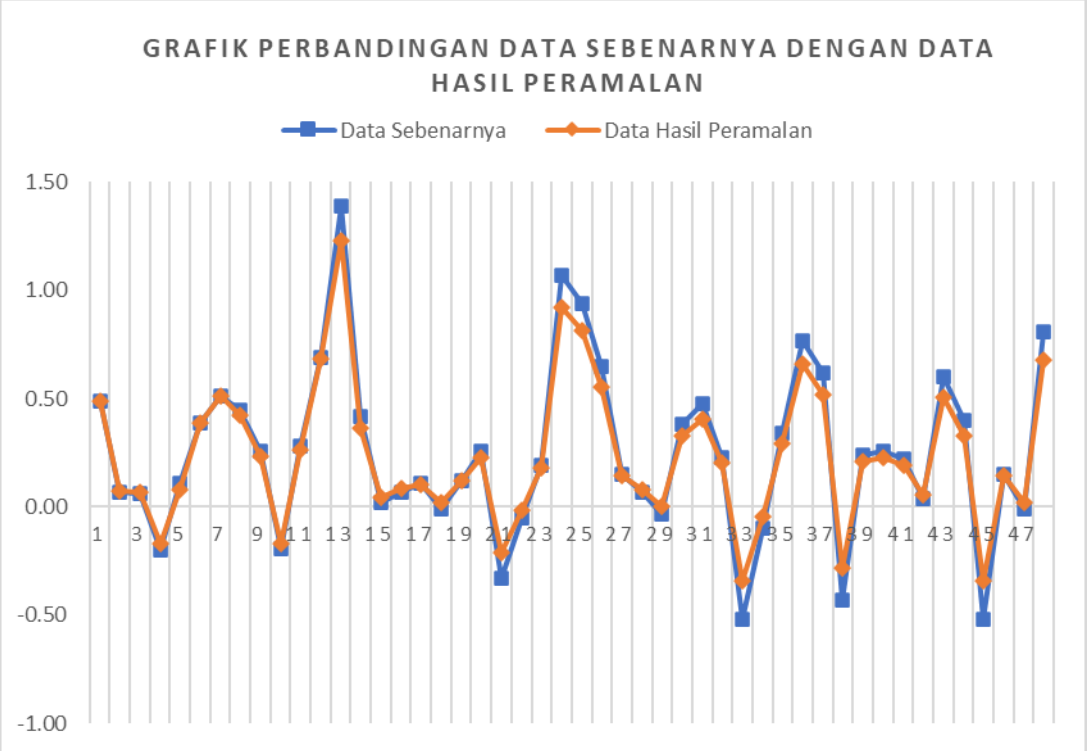
- Model jaringan [8-6-1], jumlah iterasi = 5000, alpha = 0.1, MAPE = 33.93 %



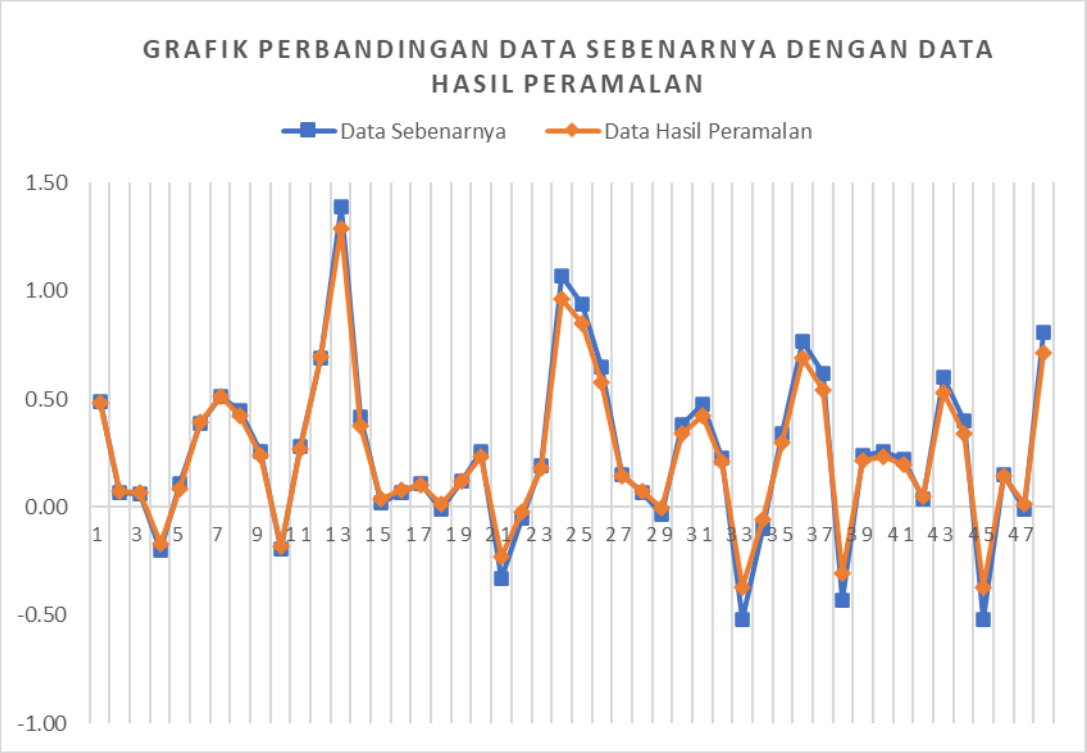
- Model jaringan [8-7-1], jumlah iterasi = 5000, alpha = 0.1, MAPE = 28.10 %



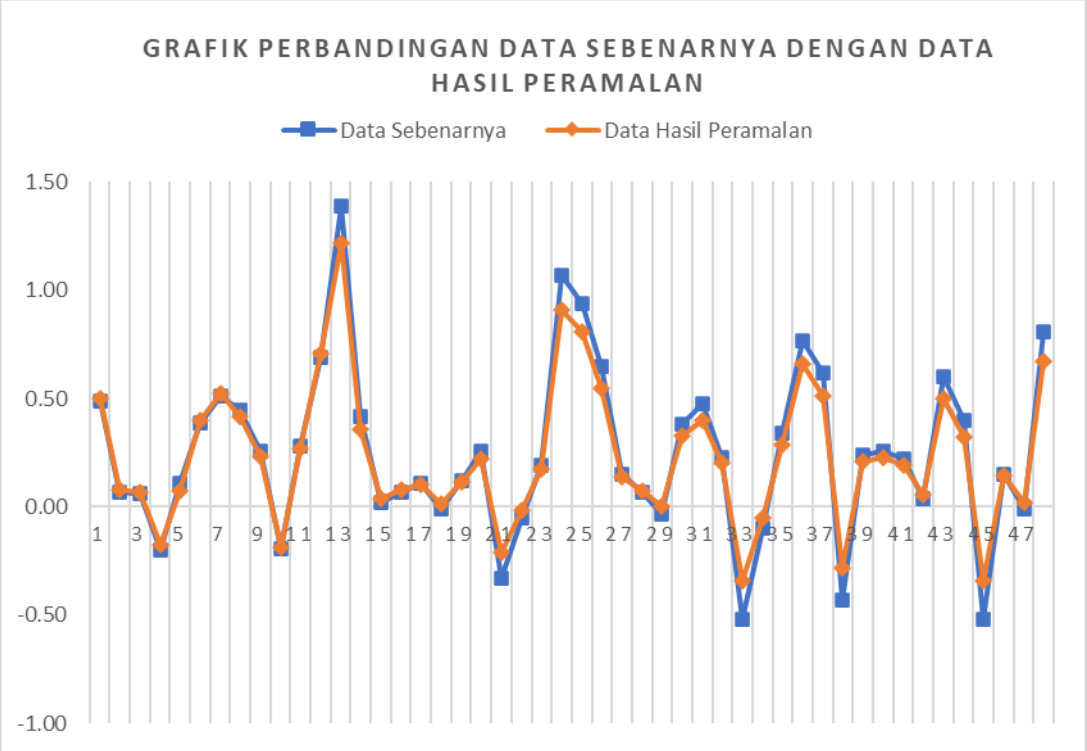
- Model jaringan [8-8-1], jumlah iterasi = 5000, alpha = 0.1, MAPE = 31.89 %



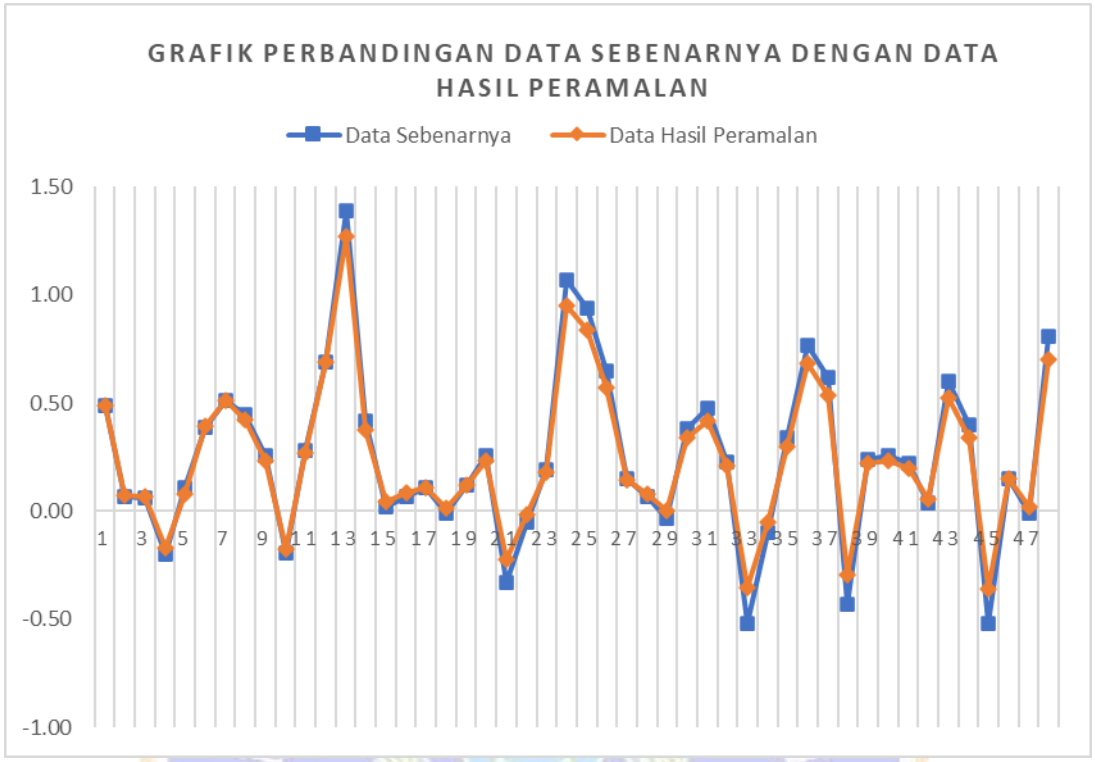
- Model jaringan [8-9-1], jumlah iterasi = 5000, alpha = 0.1, MAPE = 25.51 %



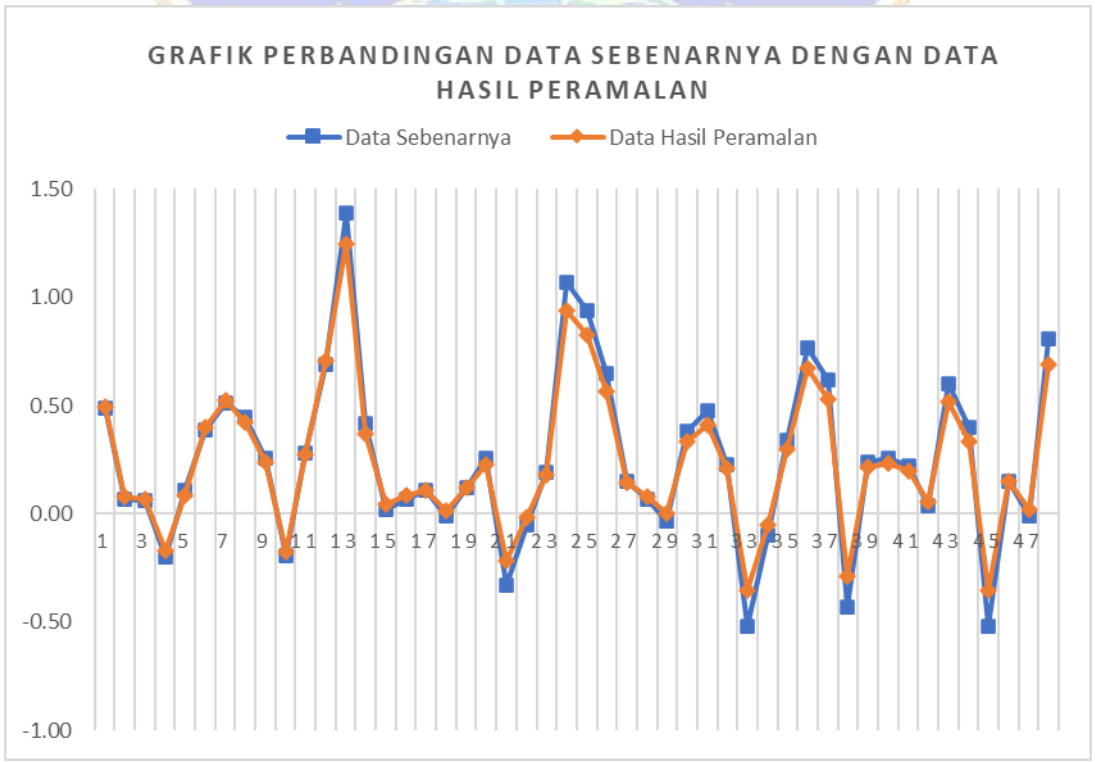
- Model jaringan [8-10-1], jumlah iterasi = 5000, alpha = 0.1, MAPE = 30.75 %



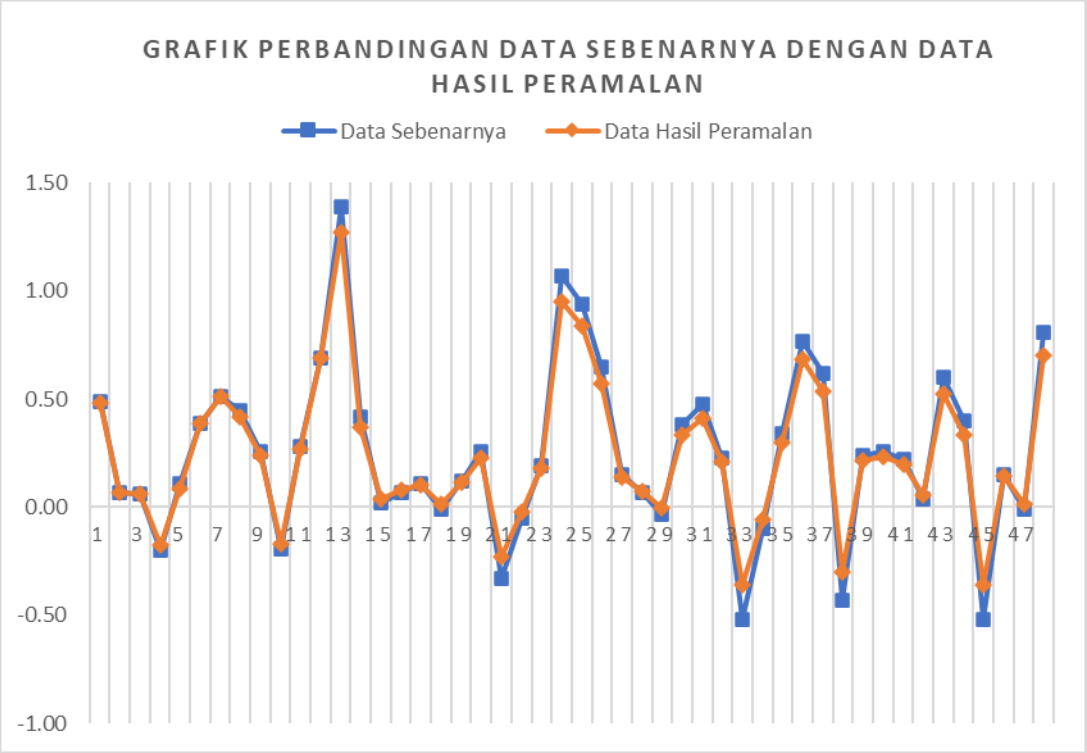
- Model jaringan [8-11-1], jumlah iterasi = 5000, alpha = 0.1, MAPE = 29.33 %



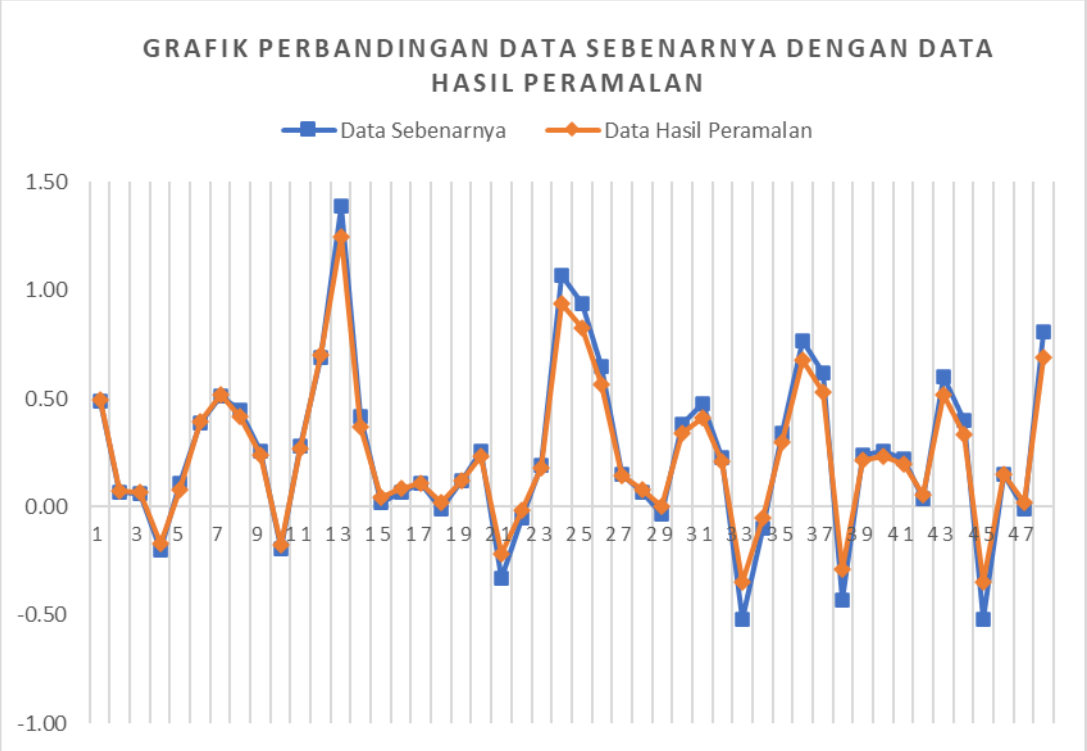
- Model jaringan [8-12-1], jumlah iterasi = 5000, alpha = 0.1, MAPE = 29.92 %



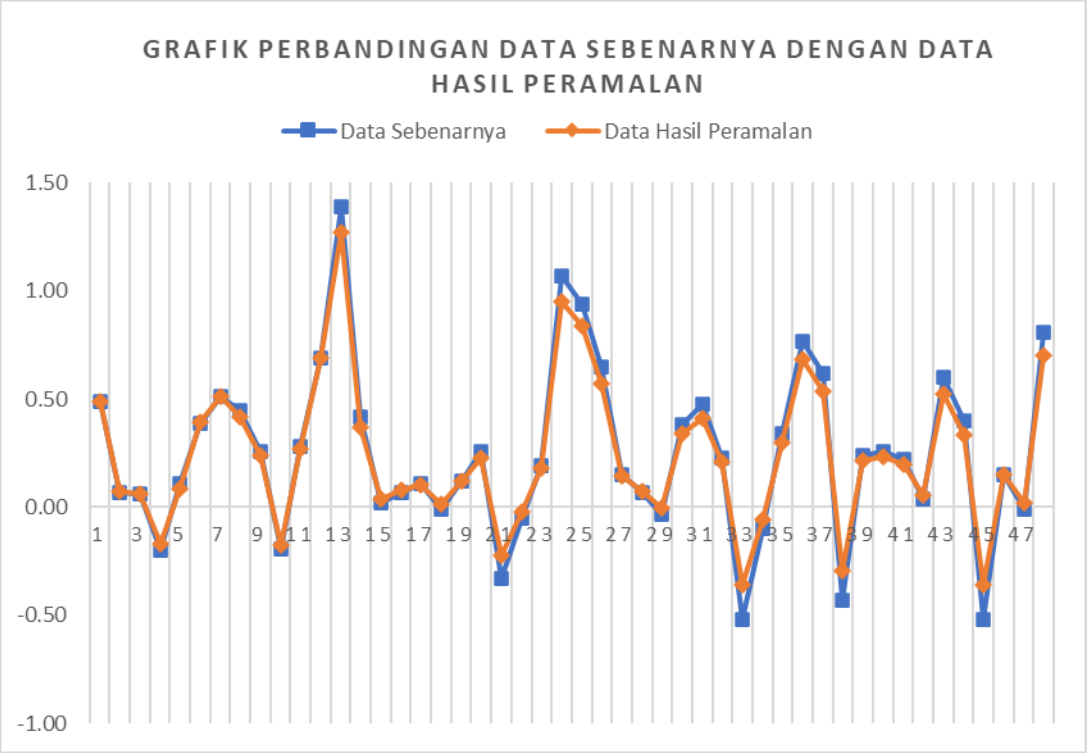
- Model jaringan [8-13-1], jumlah iterasi = 5000, alpha = 0.1, MAPE = 26.26 %



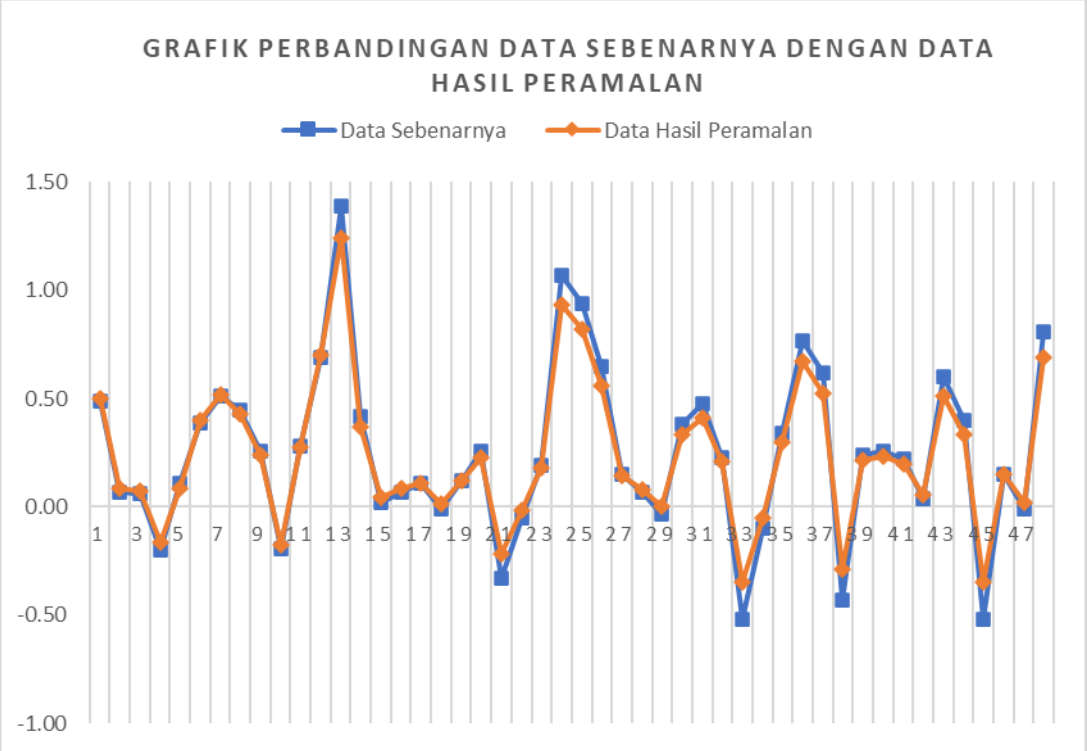
- Model jaringan [8-14-1], jumlah iterasi = 5000, alpha = 0.1, MAPE = 31.44 %



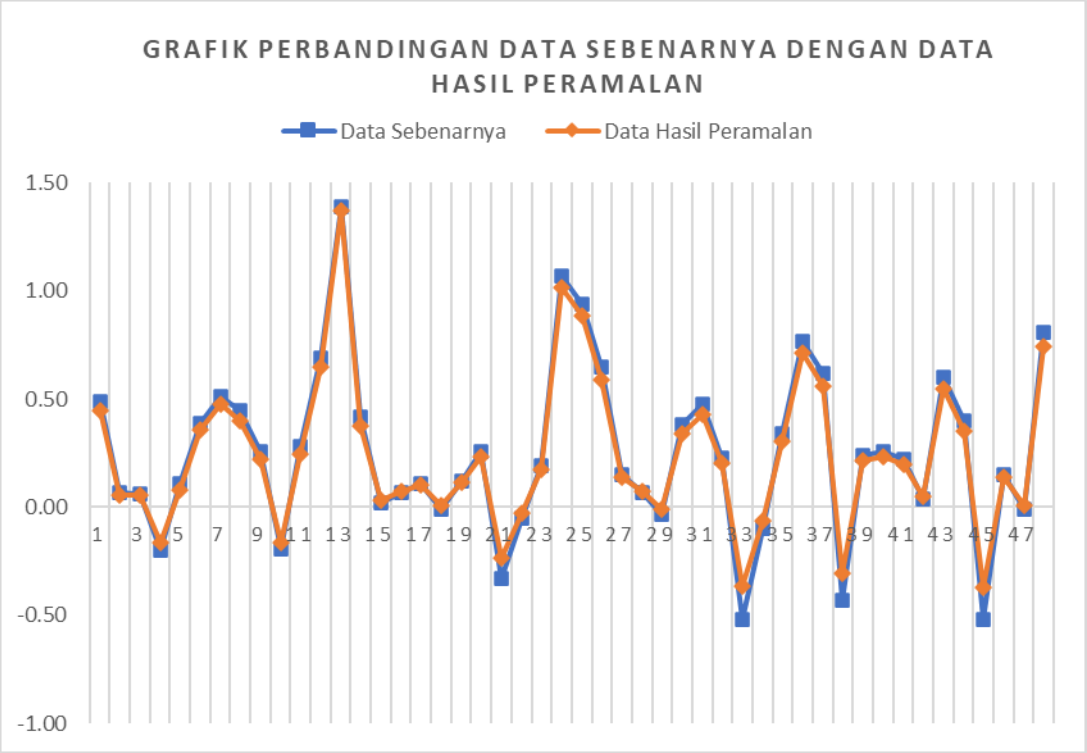
- Model jaringan [8-15-1], jumlah iterasi = 5000, alpha = 0.1, MAPE = 27.44 %



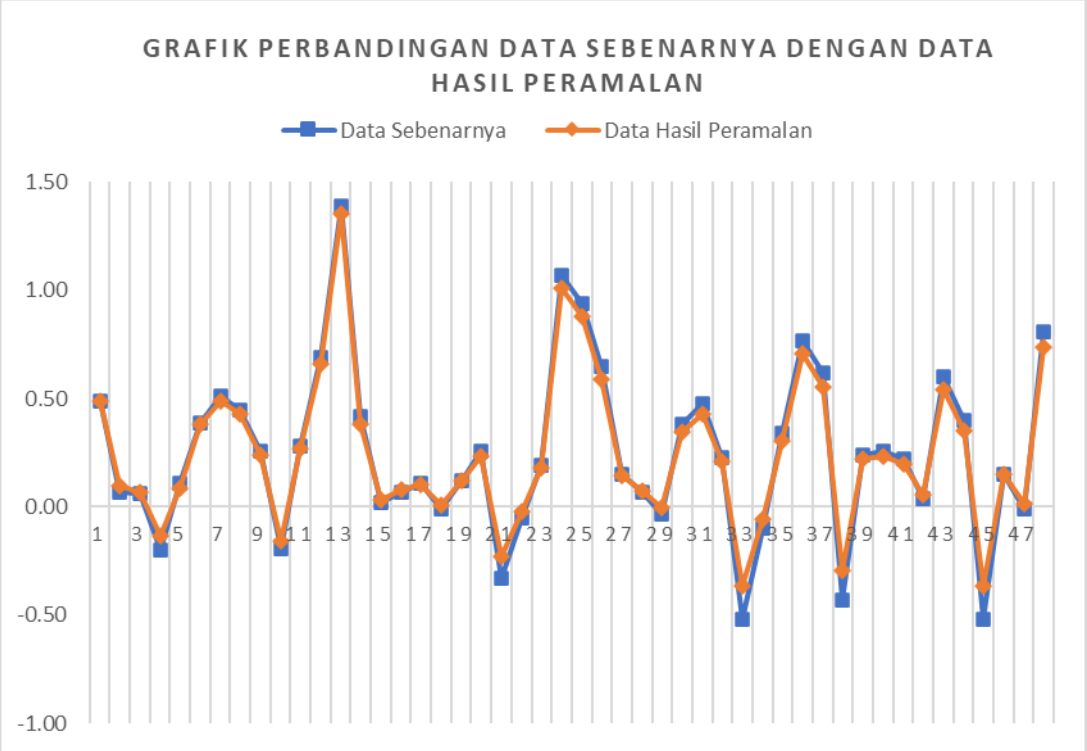
- Model jaringan [8-16-1], jumlah iterasi = 5000, alpha = 0.1, MAPE = 31.91 %



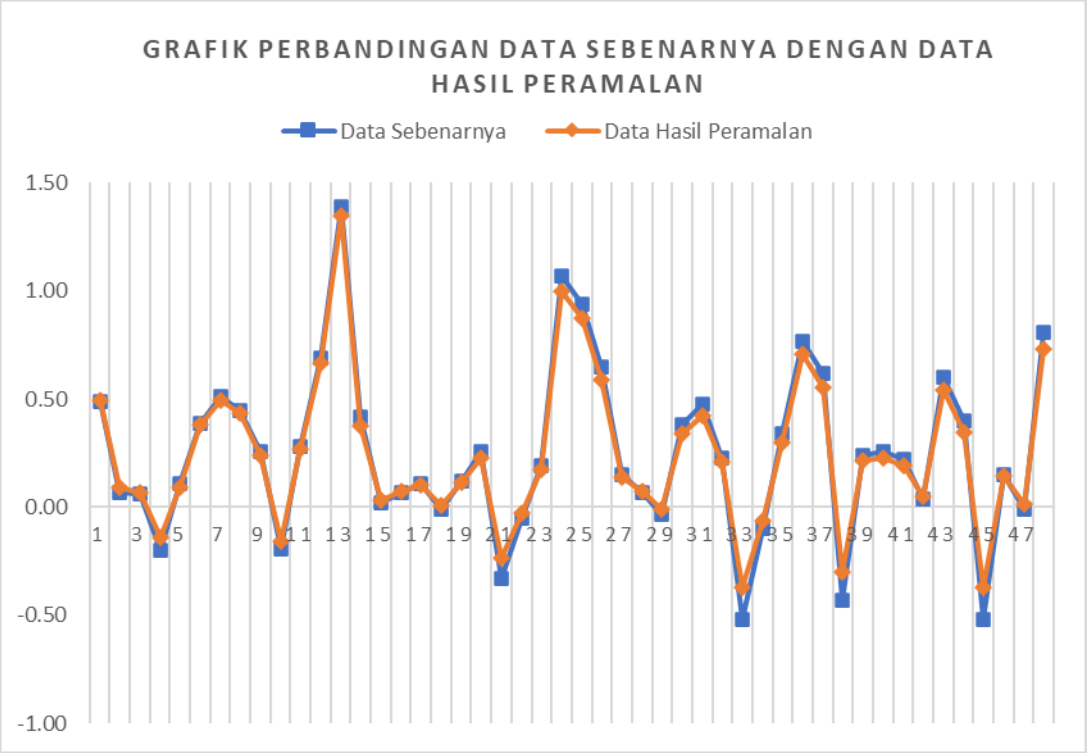
- Model jaringan [8-1-1], jumlah iterasi = 5000, alpha = 0.2, MAPE = 22.19 %



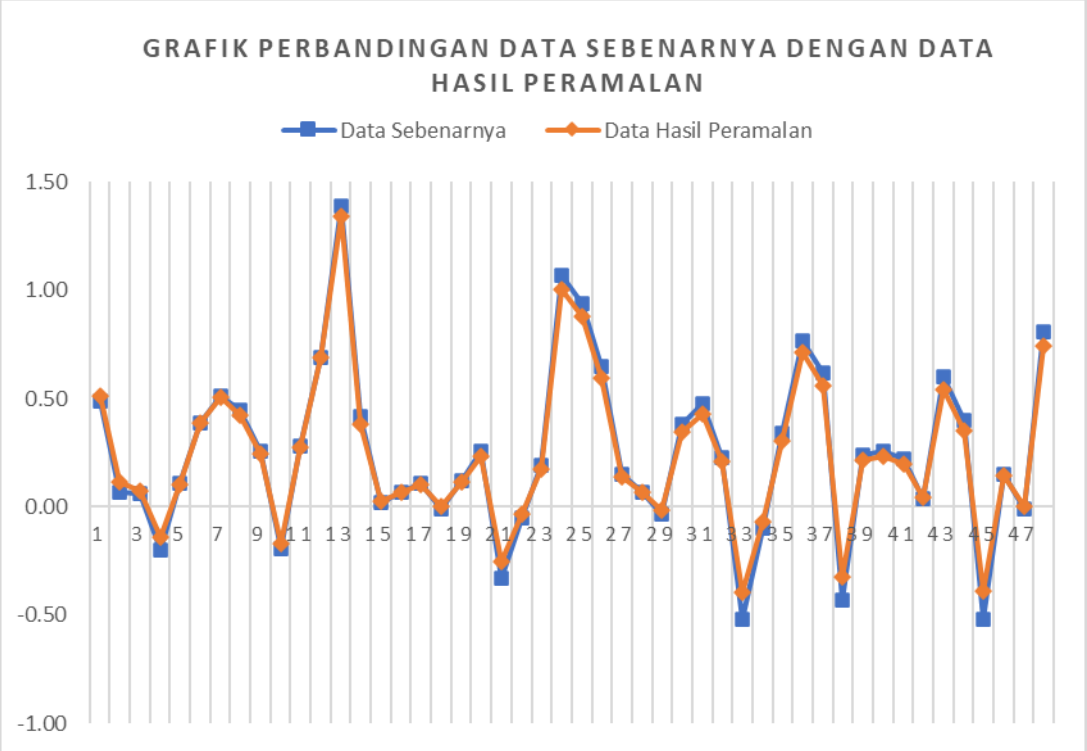
- Model jaringan [8-2-1], jumlah iterasi = 5000, alpha = 0.2, MAPE = 25.46 %



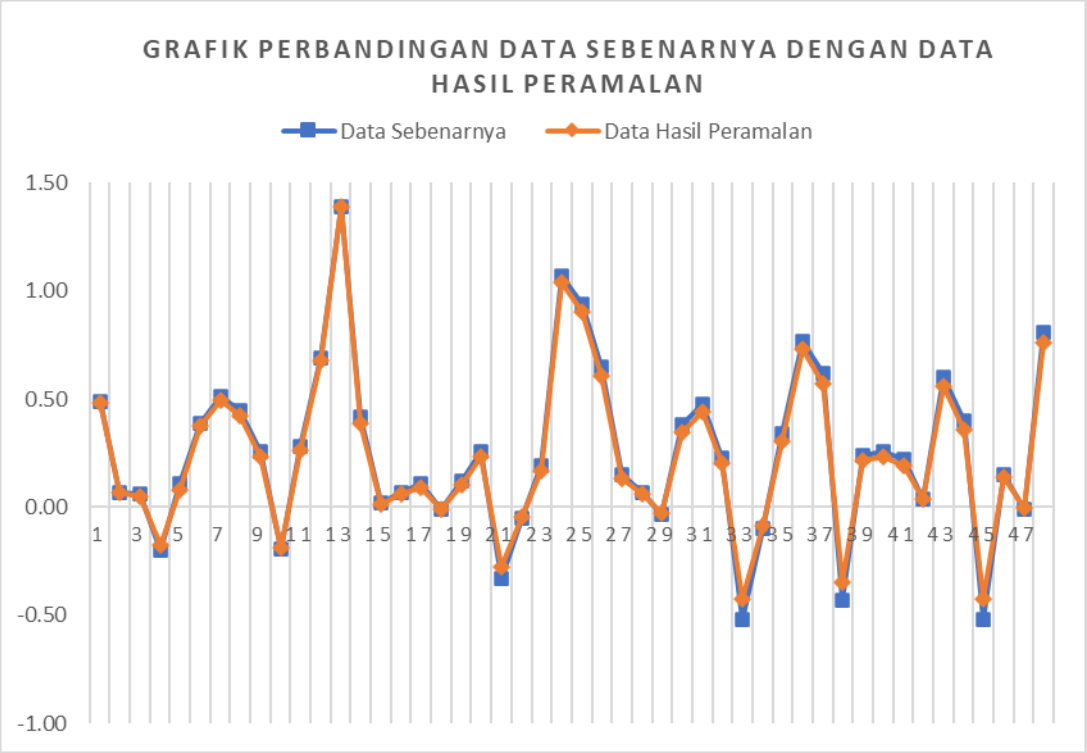
- Model jaringan [8-3-1], jumlah iterasi = 5000, alpha = 0.2, MAPE = 22.11 %



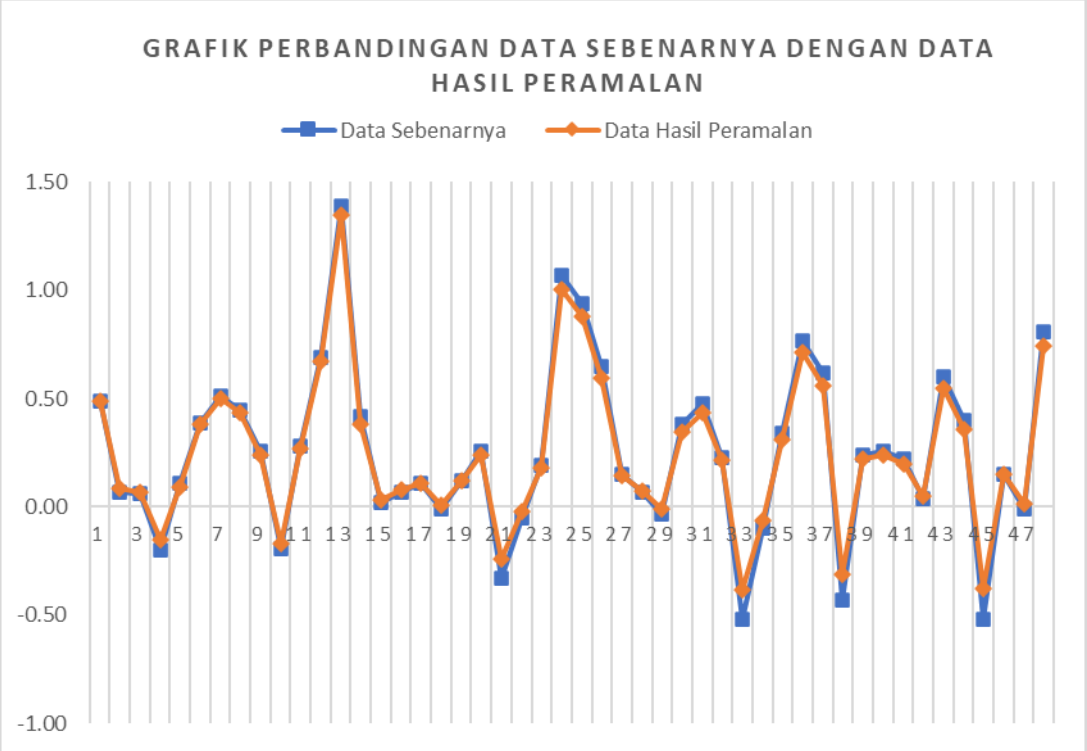
- Model jaringan [8-4-1], jumlah iterasi = 5000, alpha = 0.2, MAPE = 17.63 %



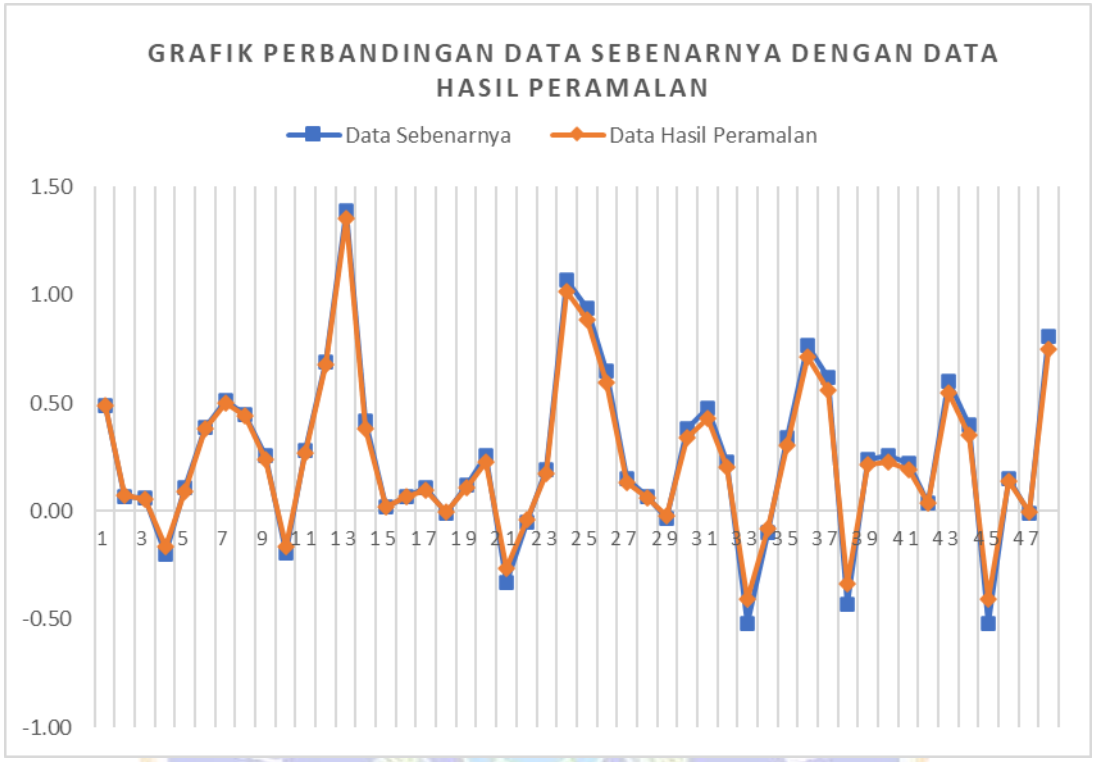
- Model jaringan [8-5-1], jumlah iterasi = 5000, alpha = 0.2, MAPE = 10.42 %



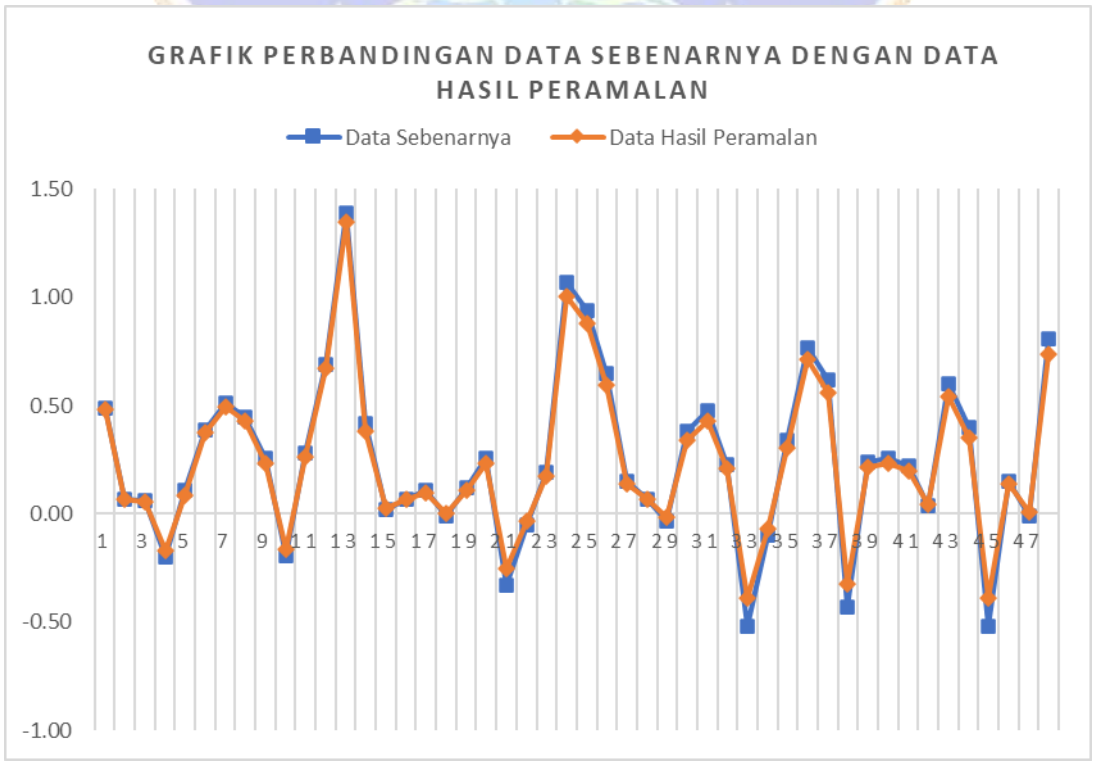
- Model jaringan [8-6-1], jumlah iterasi = 5000, alpha = 0.2, MAPE = 22.62 %



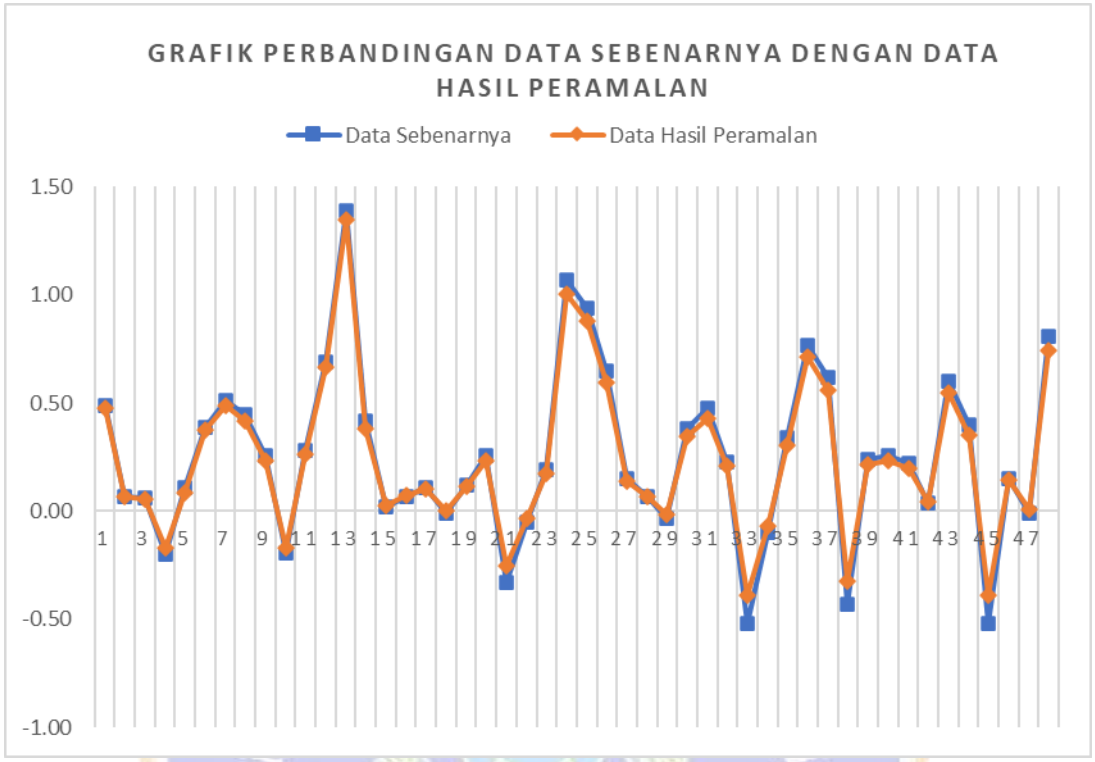
- Model jaringan [8-7-1], jumlah iterasi = 5000, alpha = 0.2, MAPE = 12.83 %



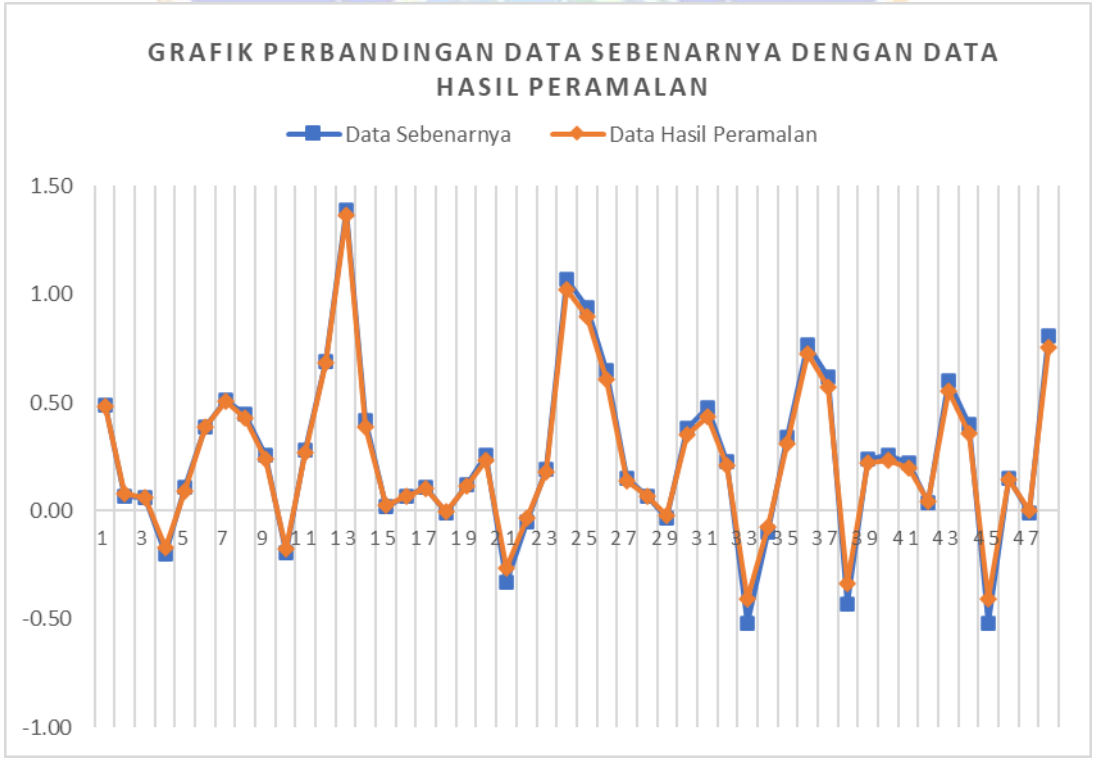
- Model jaringan [8-8-1], jumlah iterasi = 5000, alpha = 0.2, MAPE = 17.37 %



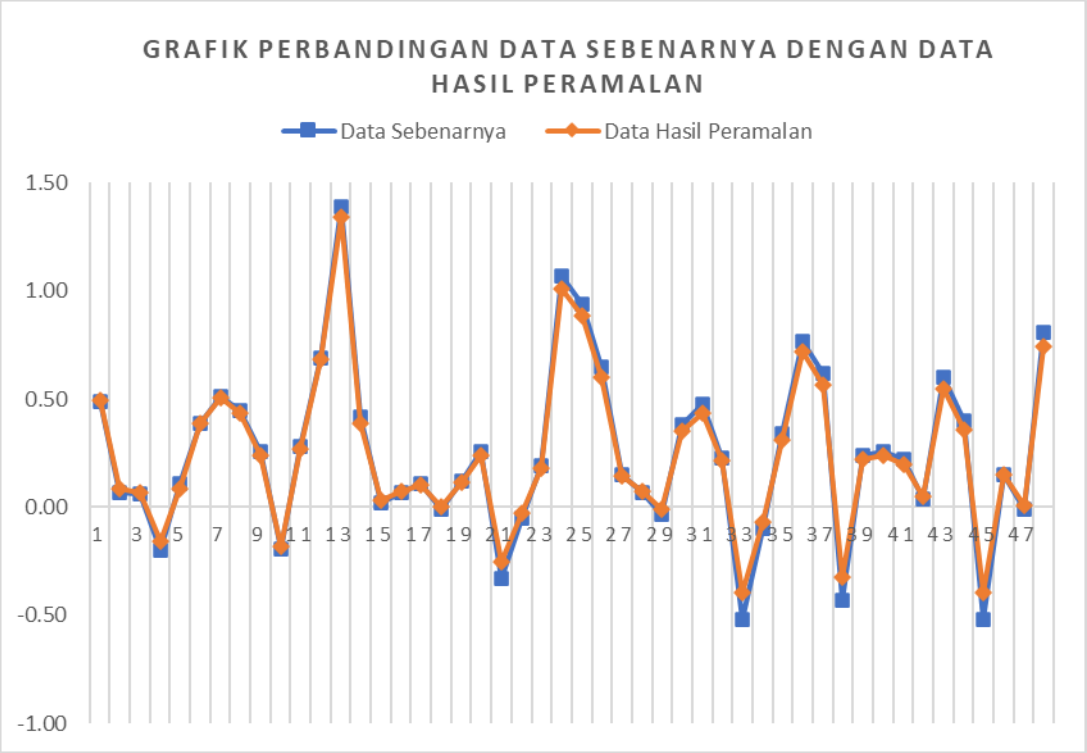
- Model jaringan [8-9-1], jumlah iterasi = 5000, alpha = 0.2, MAPE = 18.11 %



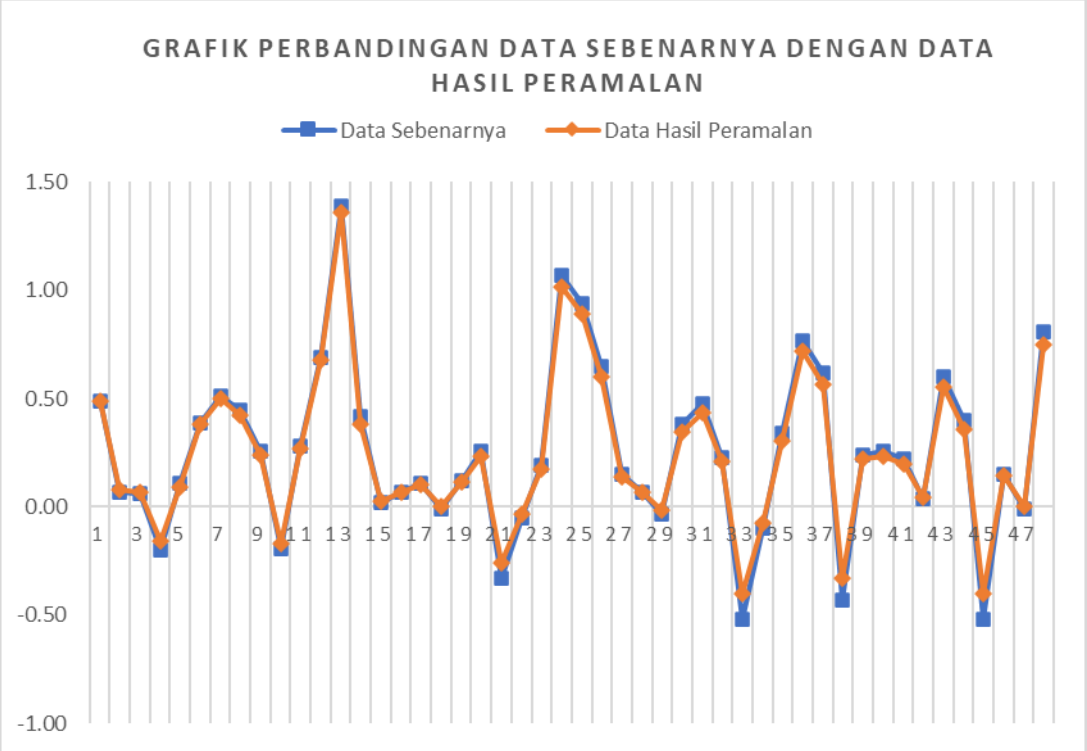
- Model jaringan [8-10-1], jumlah iterasi = 5000, alpha = 0.2, MAPE = 13.78 %



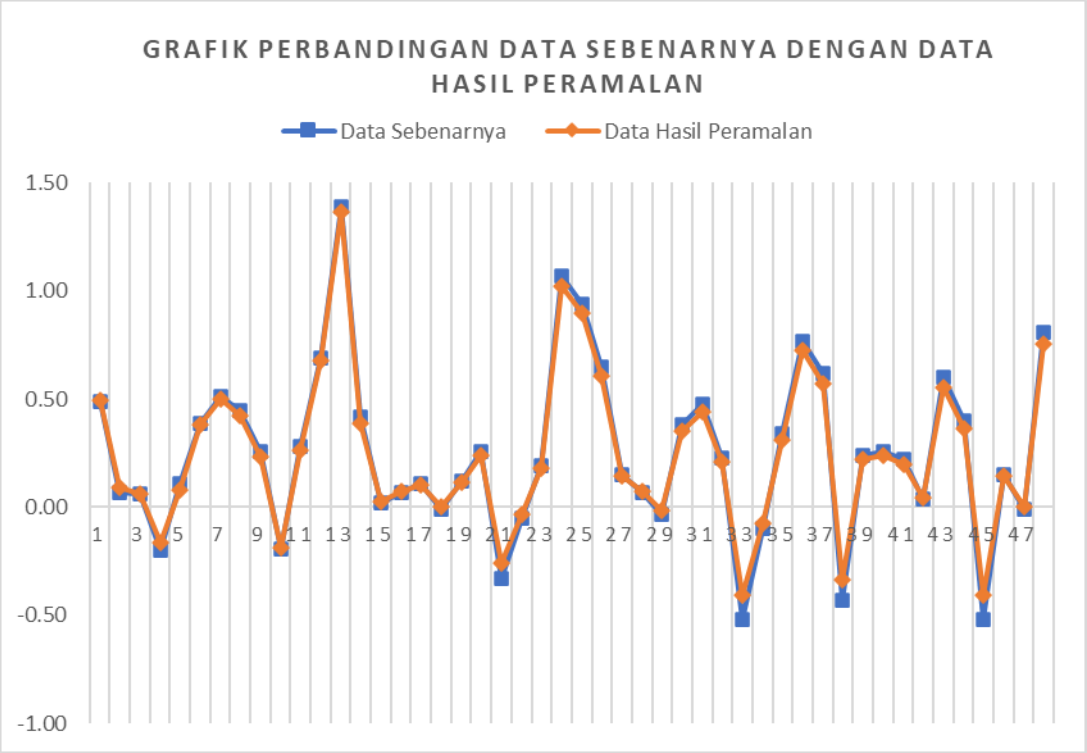
- Model jaringan [8-11-1], jumlah iterasi = 5000, alpha = 0.2, MAPE = 19.32 %



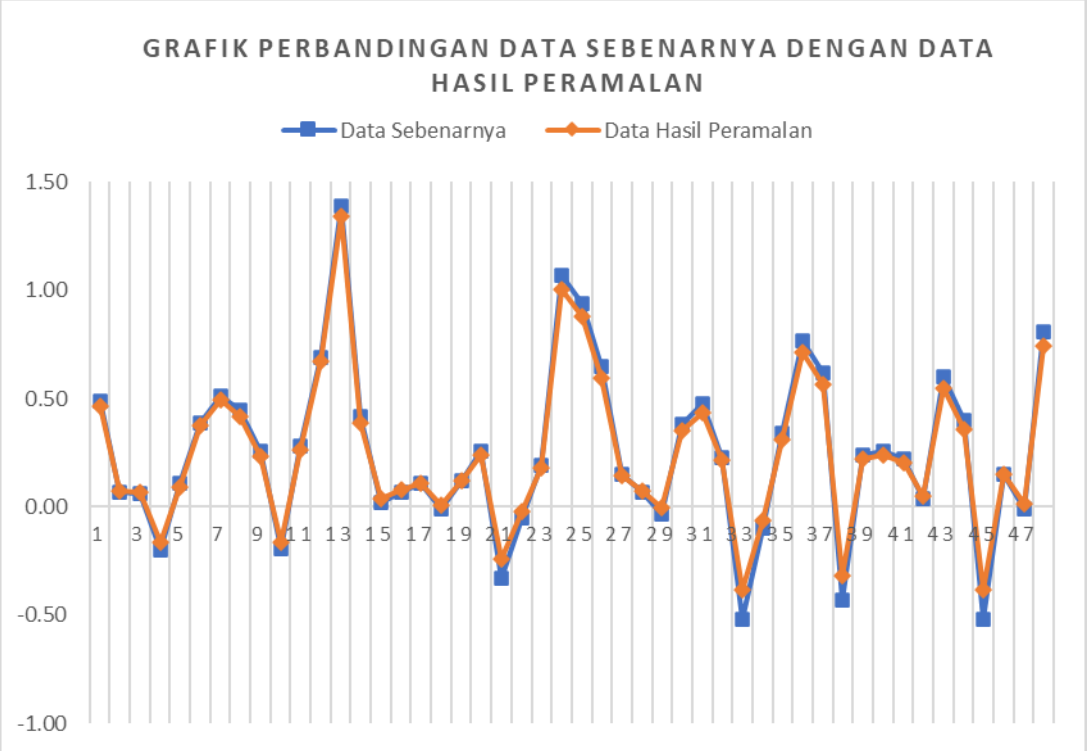
- Model jaringan [8-12-1], jumlah iterasi = 5000, alpha = 0.2, MAPE = 15.61 %



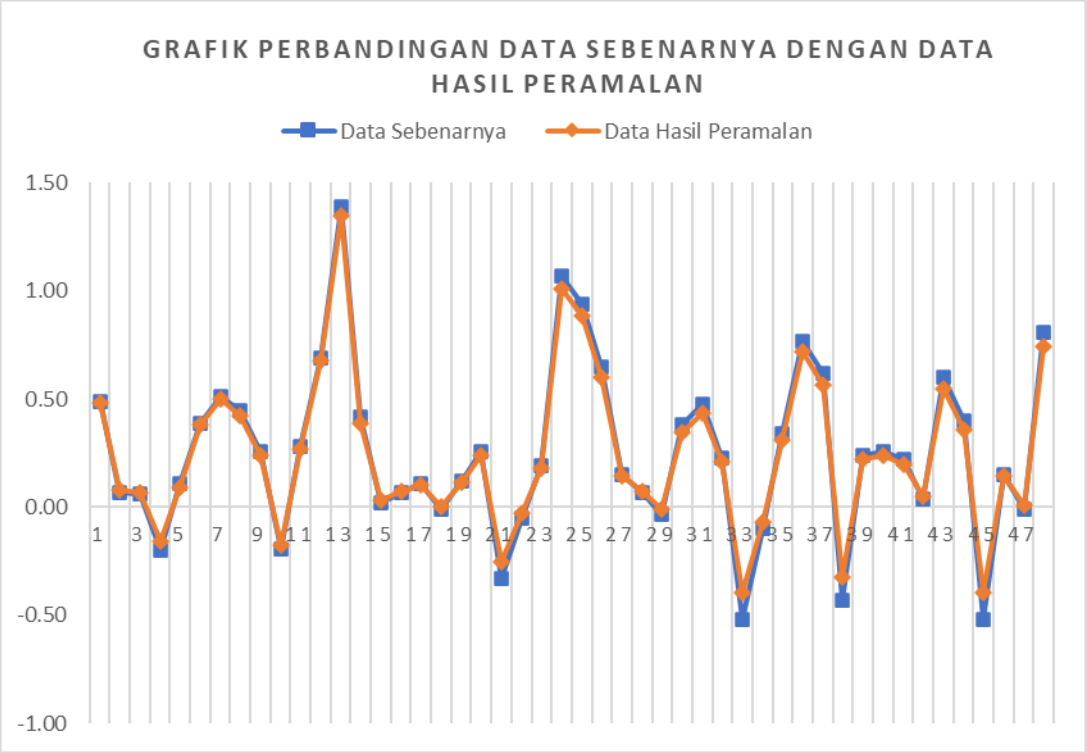
- Model jaringan [8-13-1], jumlah iterasi = 5000, alpha = 0.2, MAPE = 15.76 %



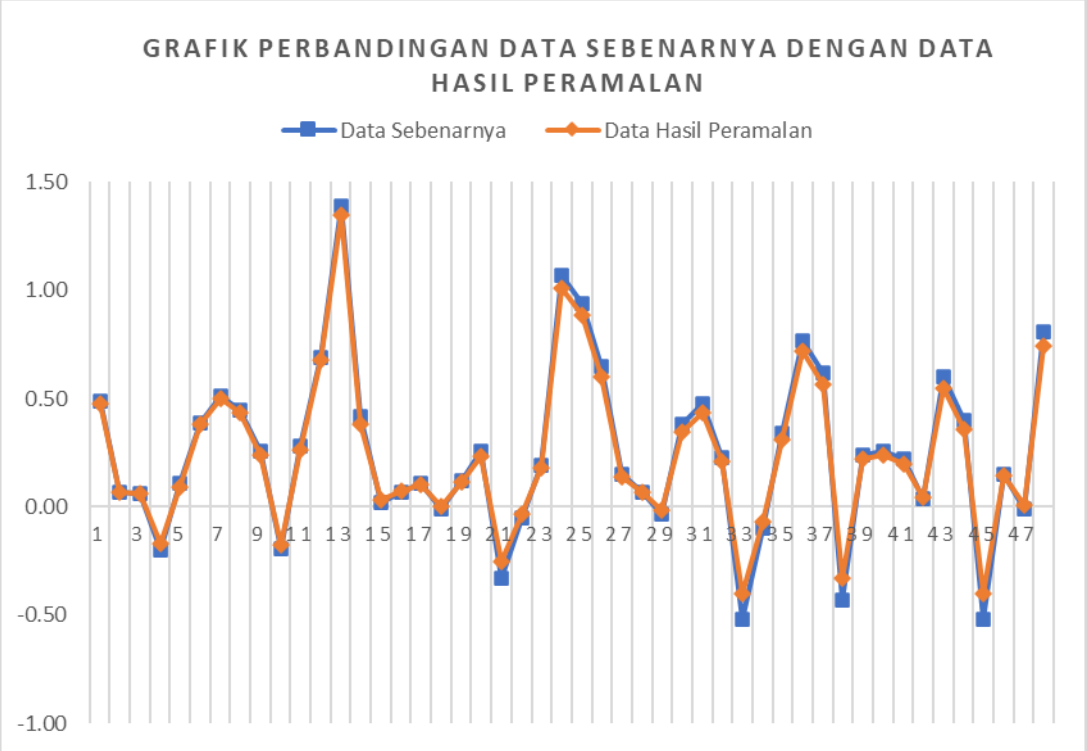
- Model jaringan [8-14-1], jumlah iterasi = 5000, alpha = 0.2, MAPE = 22.64 %



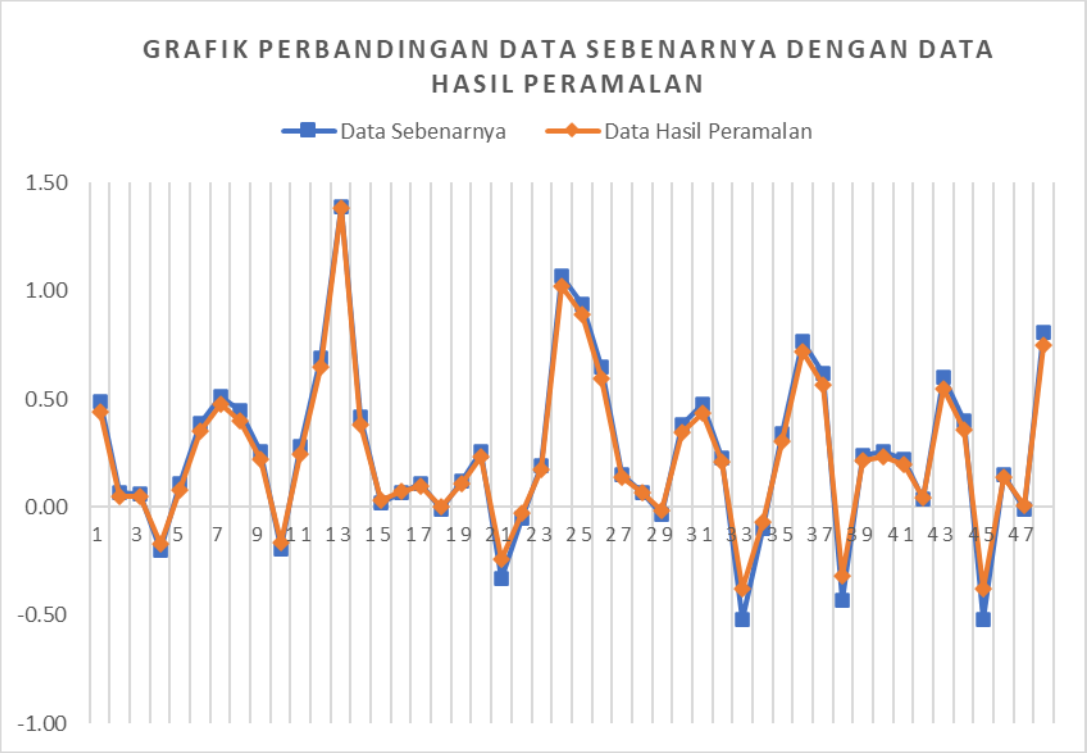
- Model jaringan [8-15-1], jumlah iterasi = 5000, alpha = 0.2, MAPE = 19.09 %



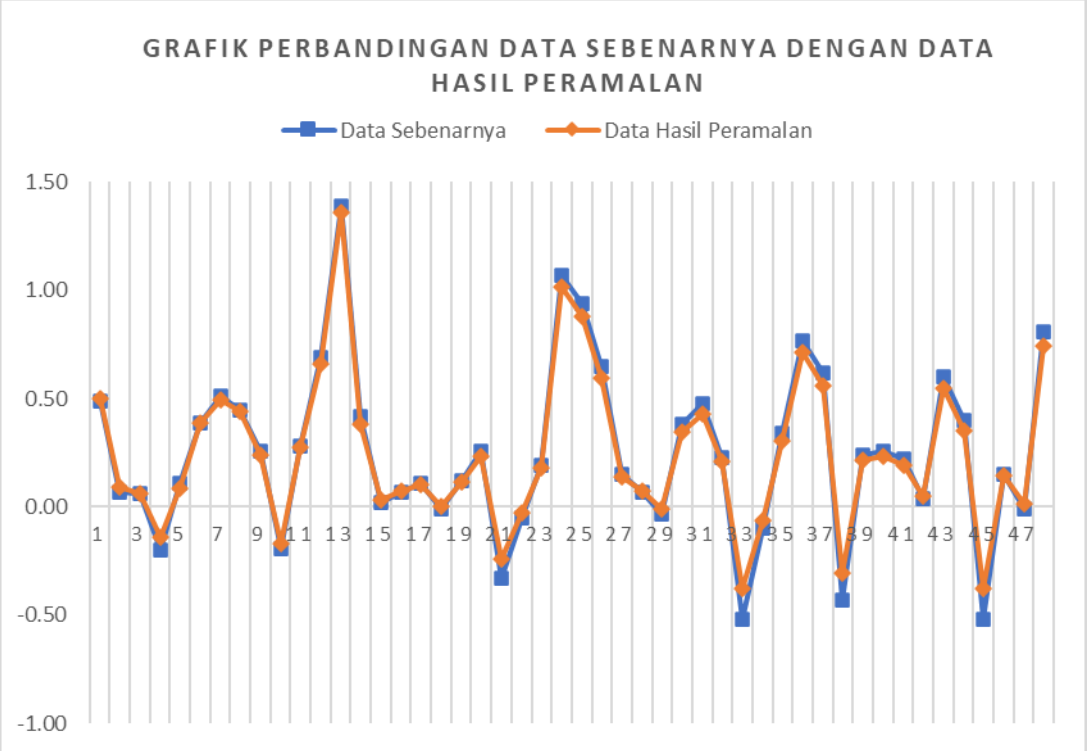
- Model jaringan [8-16-1], jumlah iterasi = 5000, alpha = 0.2, MAPE = 17.19 %



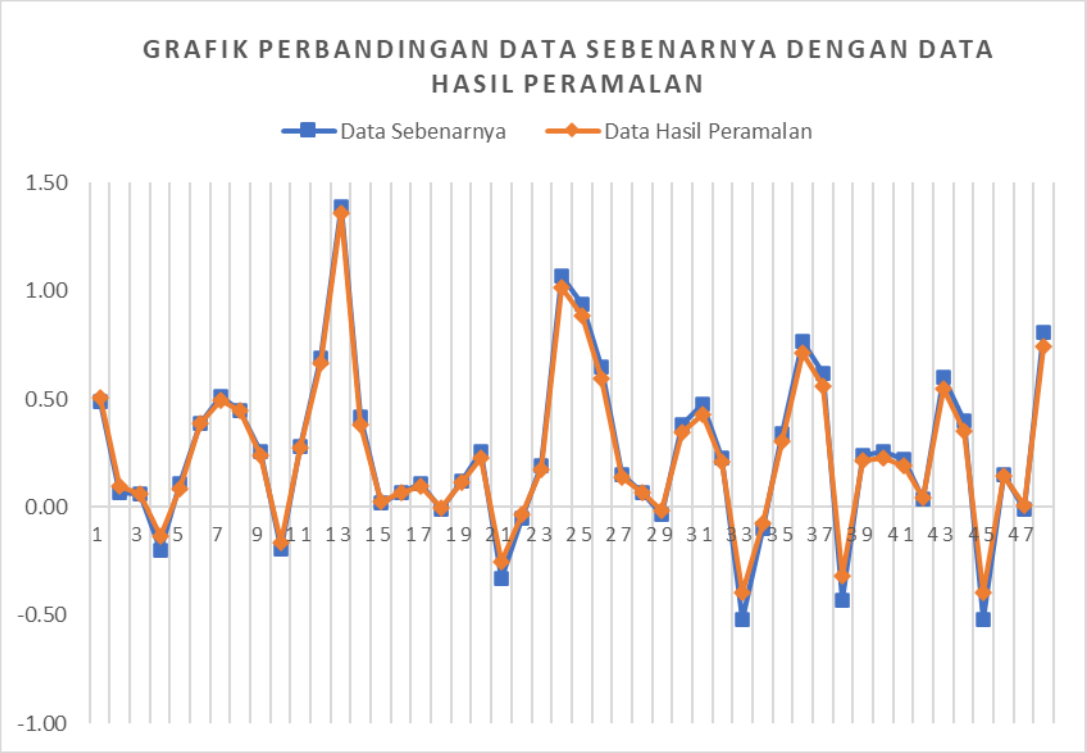
- Model jaringan [8-1-1], jumlah iterasi = 5000, alpha = 0.3, MAPE = 20.03 %



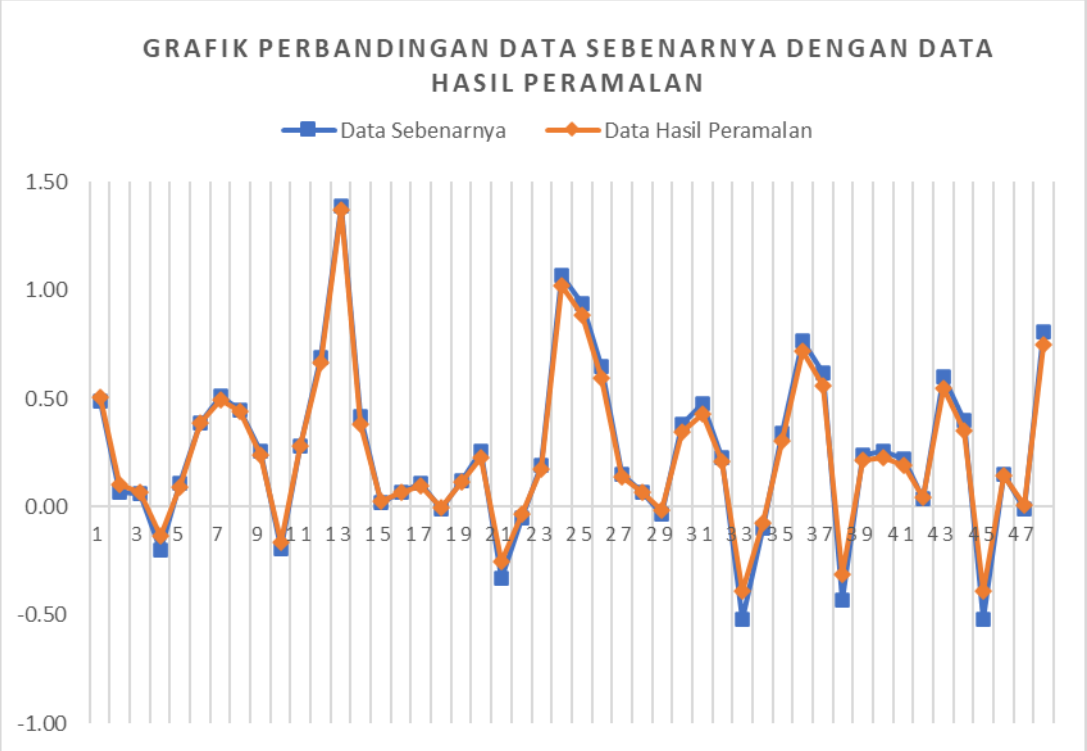
- Model jaringan [8-2-1], jumlah iterasi = 5000, alpha = 0.3, MAPE = 21.22 %



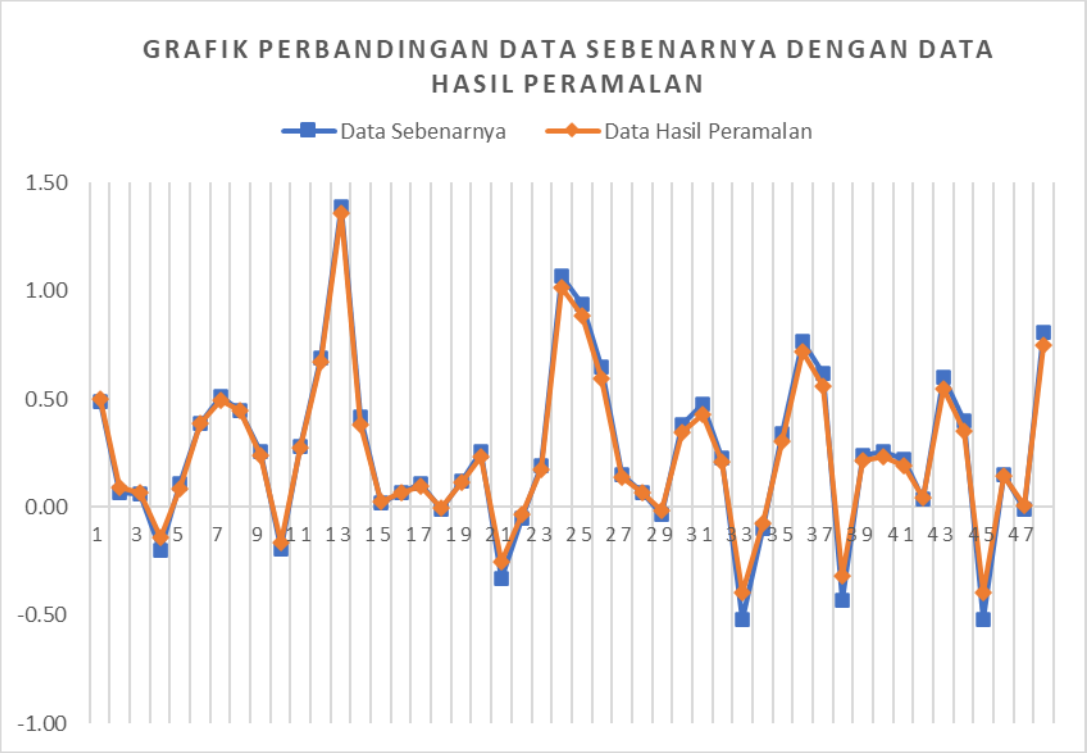
- Model jaringan [8-3-1], jumlah iterasi = 5000, alpha = 0.3, MAPE = 17.55 %



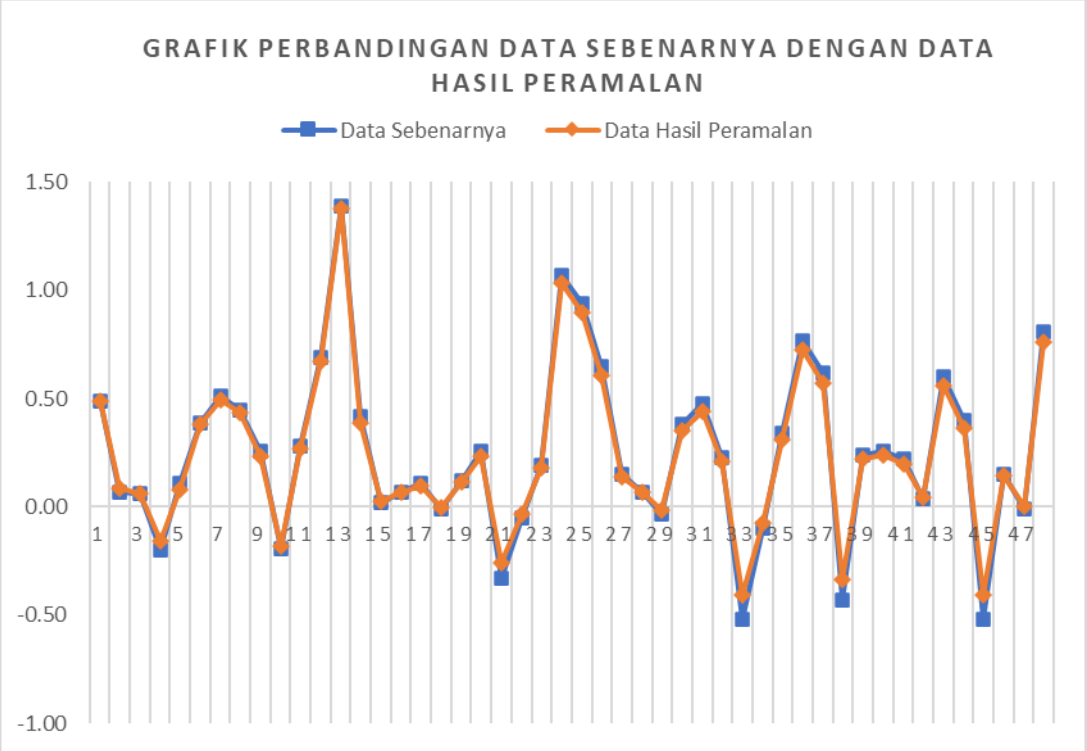
- Model jaringan [8-4-1], jumlah iterasi = 5000, alpha = 0.3, MAPE = 17.77 %



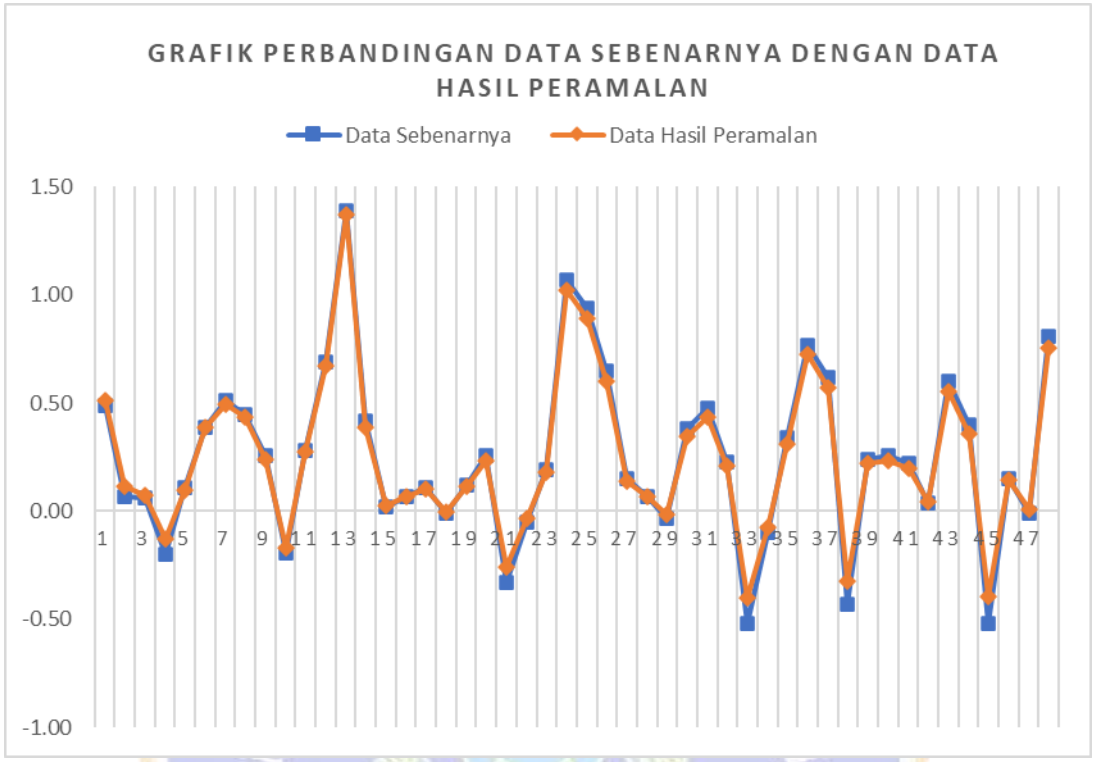
- Model jaringan [8-5-1], jumlah iterasi = 5000, alpha = 0.3, MAPE = 17.31 %



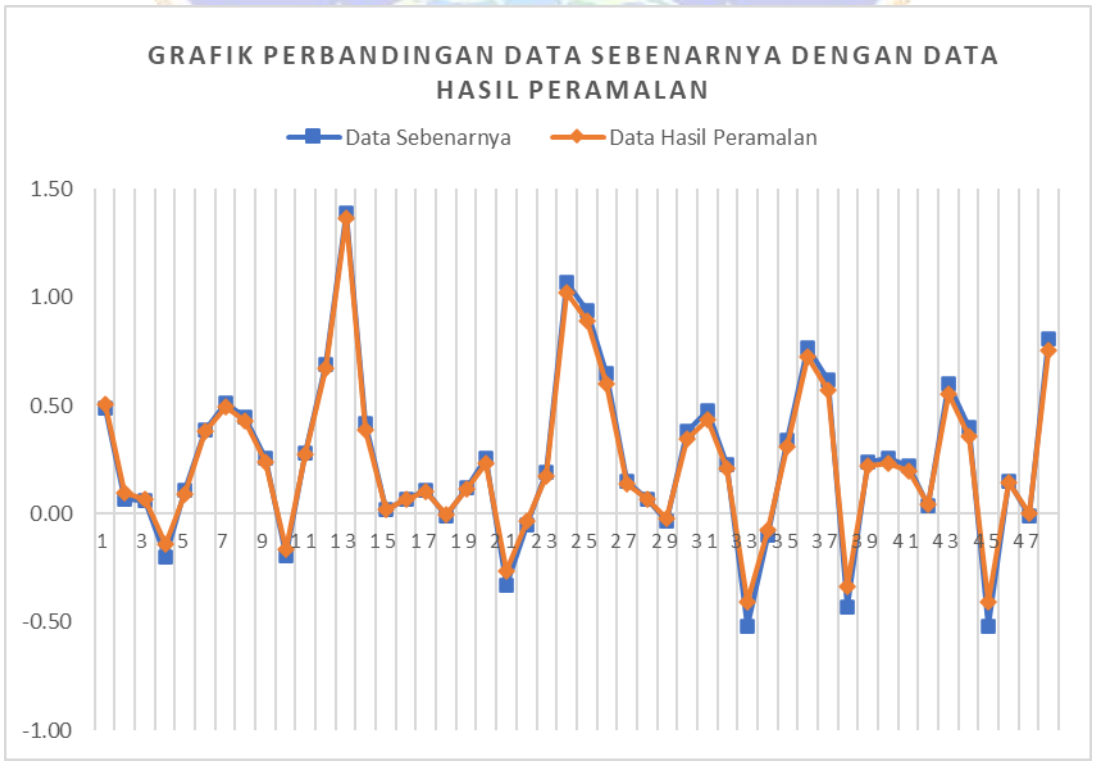
- Model jaringan [8-6-1], jumlah iterasi = 5000, alpha = 0.3, MAPE = 14.41 %



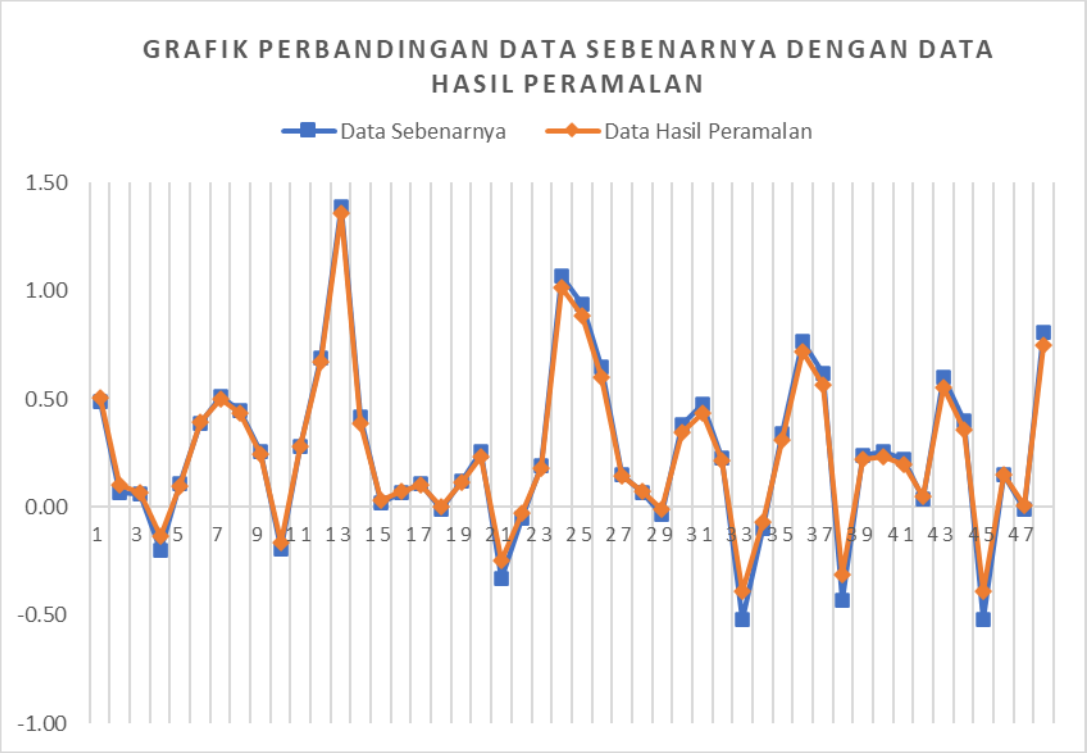
- Model jaringan [8-7-1], jumlah iterasi = 5000, alpha = 0.3, MAPE = 17.15 %



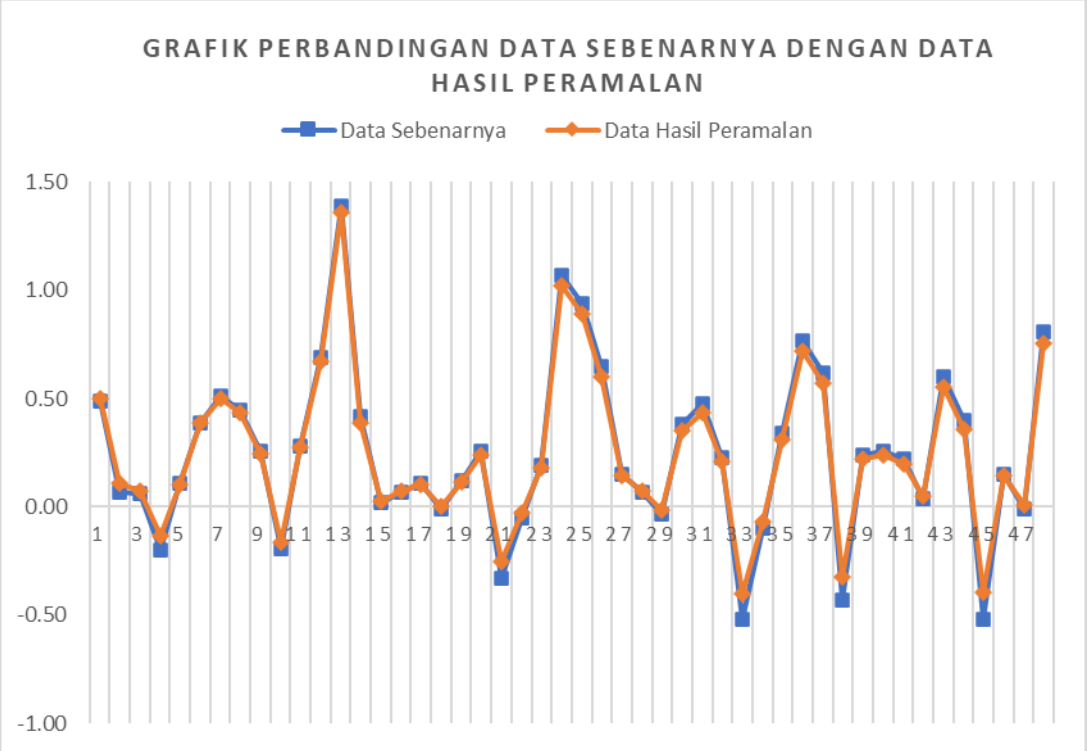
- Model jaringan [8-8-1], jumlah iterasi = 5000, alpha = 0.3, MAPE = 14.74 %



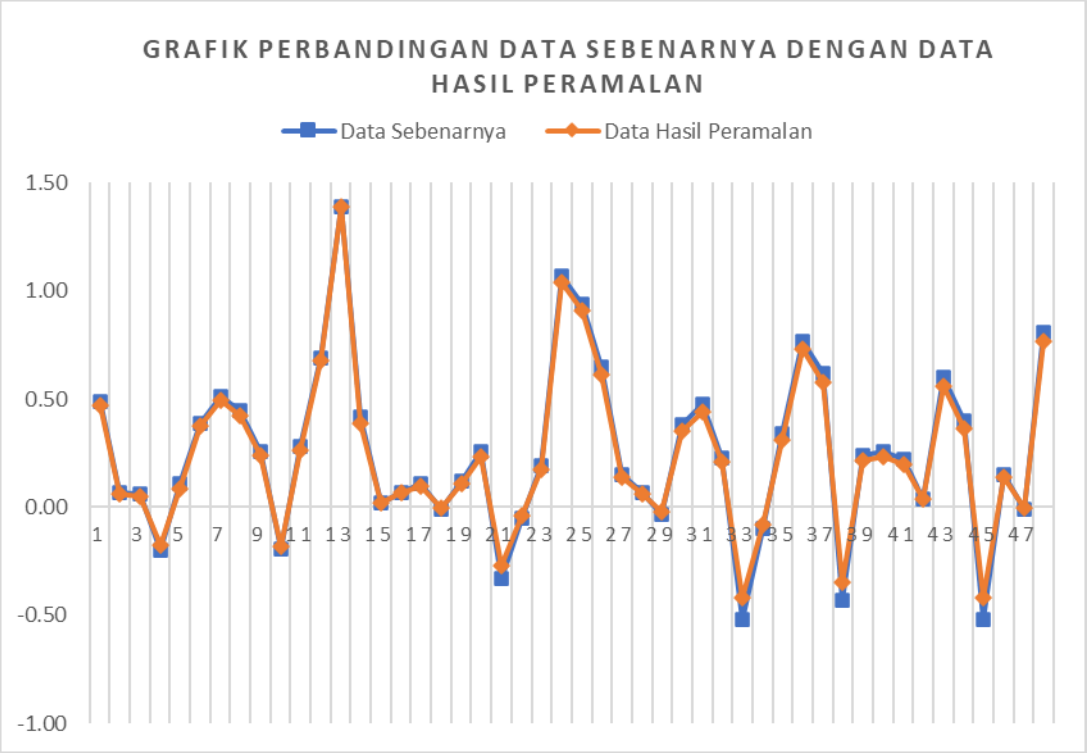
- Model jaringan [8-9-1], jumlah iterasi = 5000, alpha = 0.3, MAPE = 20.27 %



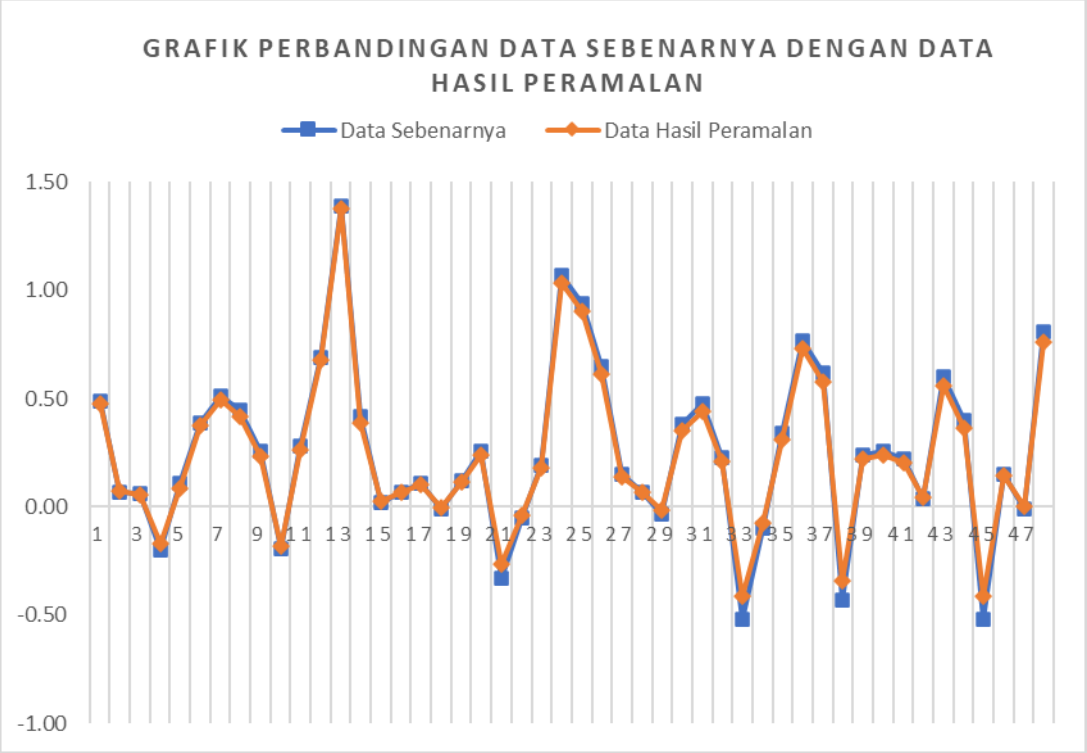
- Model jaringan [8-10-1], jumlah iterasi = 5000, alpha = 0.3, MAPE =



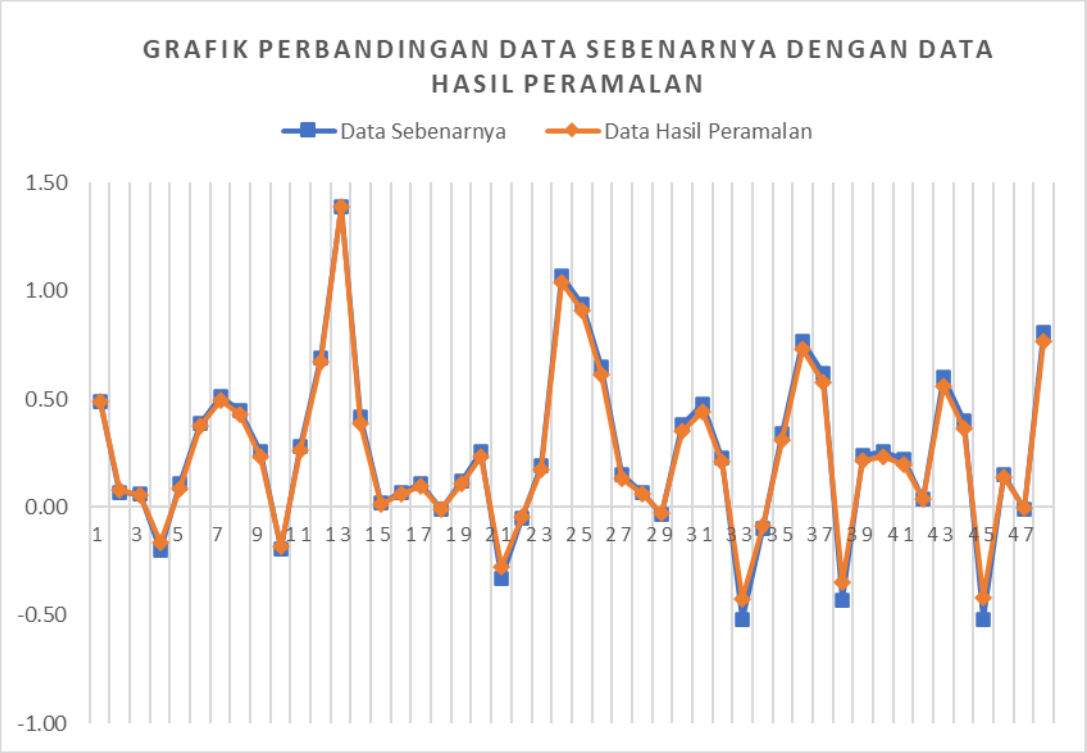
- Model jaringan [8-11-1], jumlah iterasi = 5000, alpha = 0.3, MAPE = 11.05 %



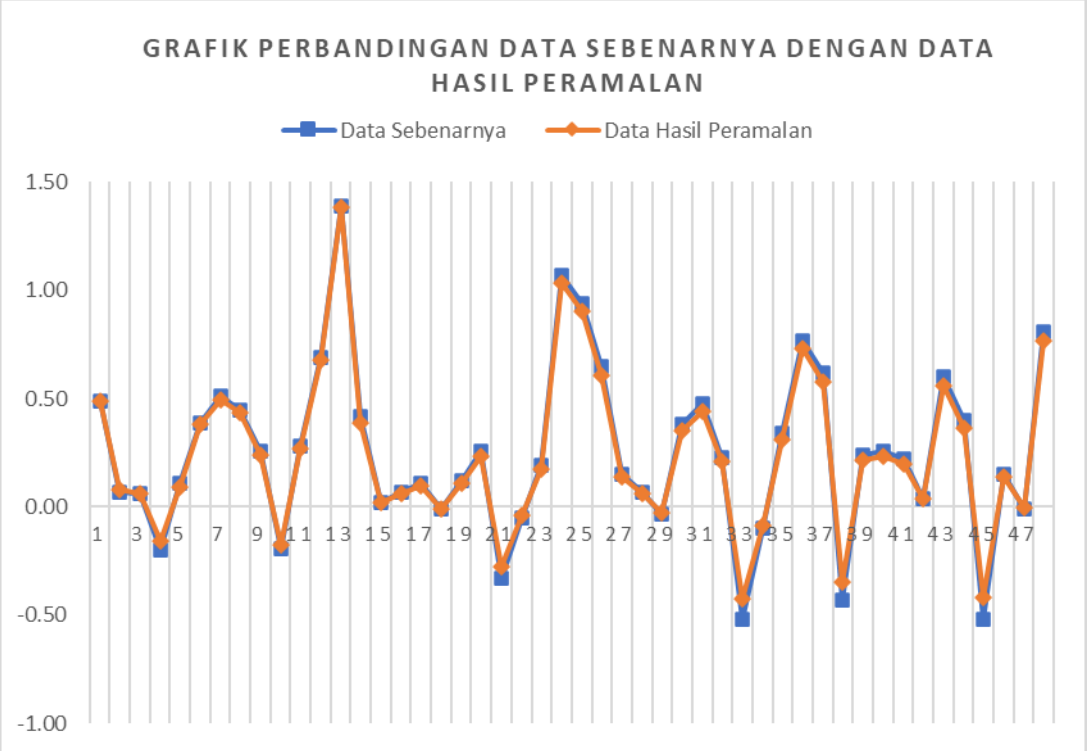
- Model jaringan [8-12-1], jumlah iterasi = 5000, alpha = 0.3, MAPE = 13.29 %



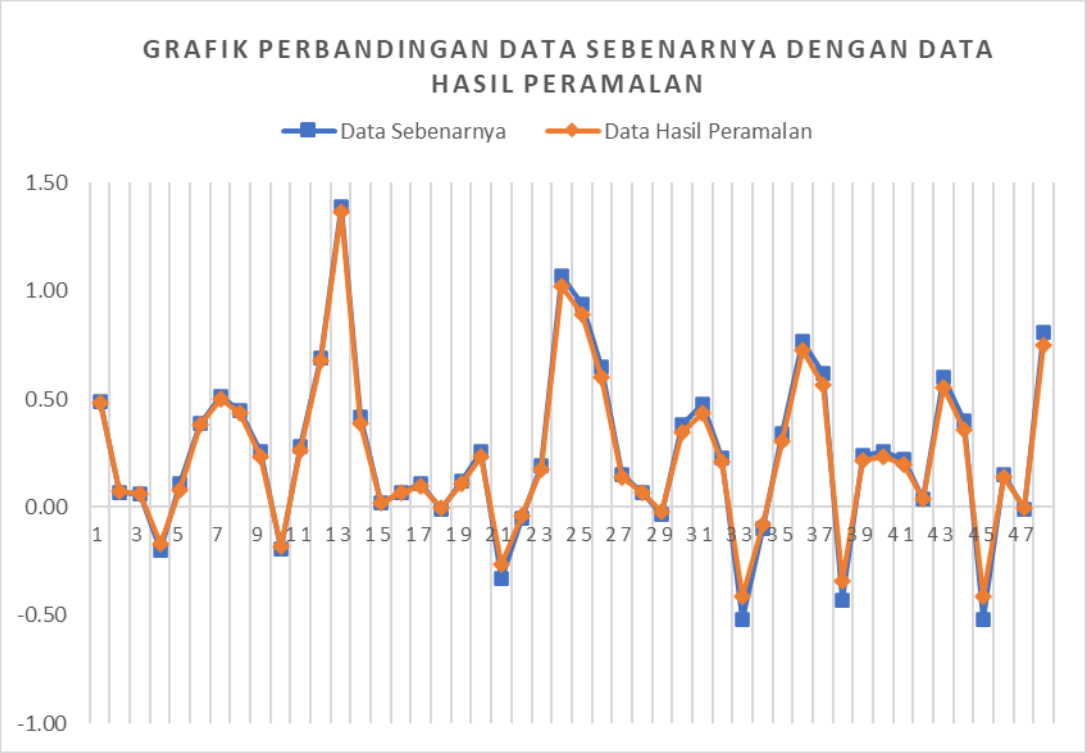
- Model jaringan [8-13-1], jumlah iterasi = 5000, alpha = 0.3, MAPE = 10.34 %



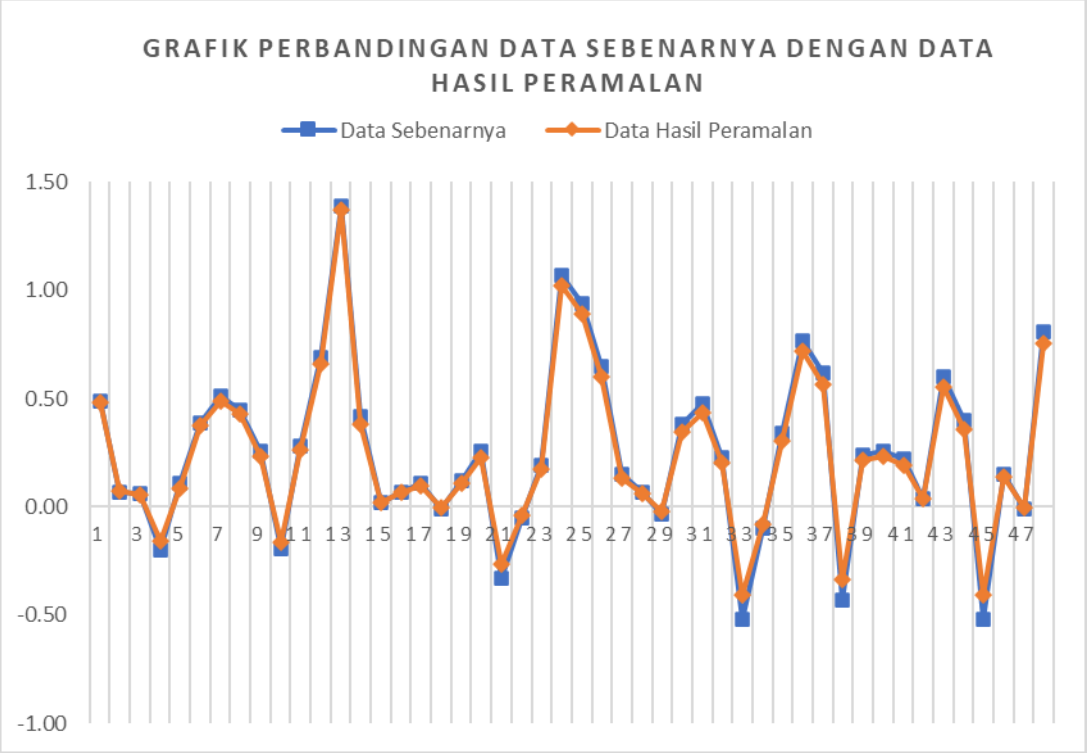
- Model jaringan [8-14-1], jumlah iterasi = 5000, alpha = 0.3, MAPE = 10.45 %



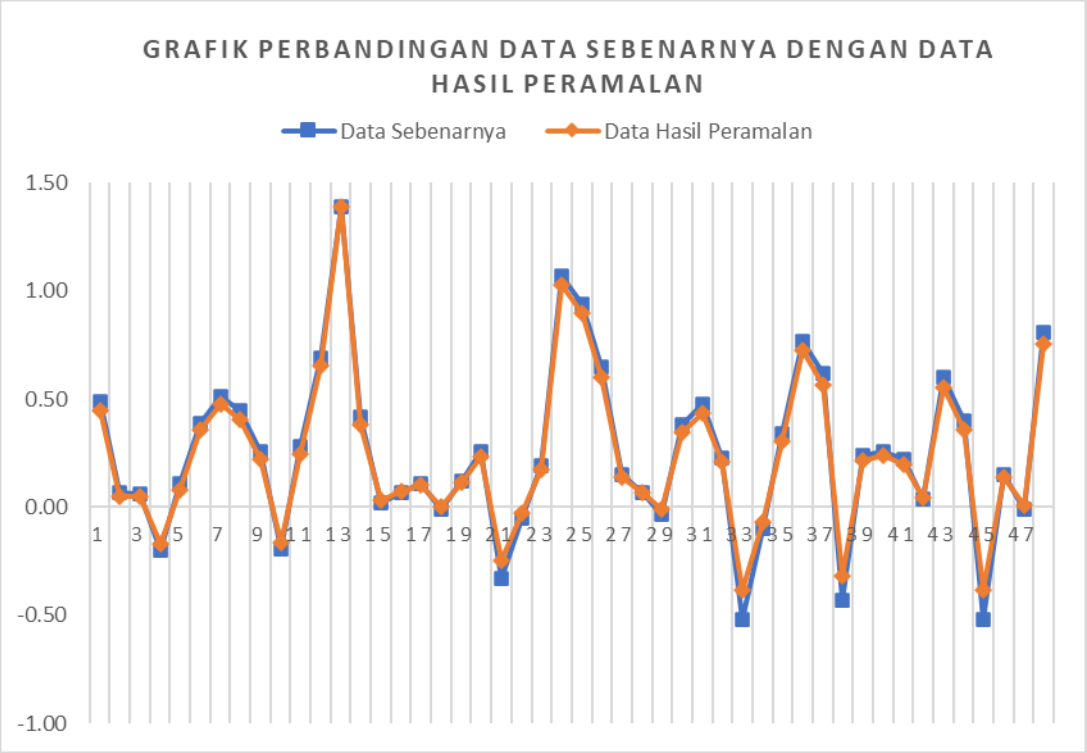
- Model jaringan [8-15-1], jumlah iterasi = 5000, alpha = 0.3, MAPE = 12.75 %



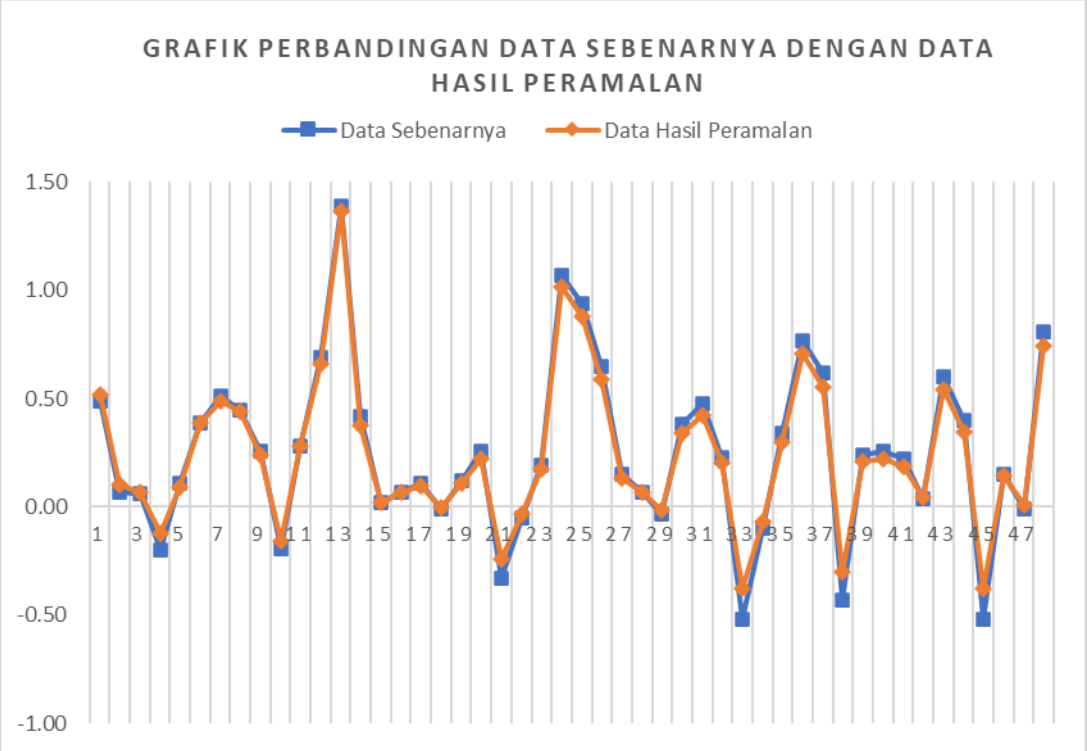
- Model jaringan [8-16-1], jumlah iterasi = 5000, alpha = 0.3, MAPE = 13.01 %



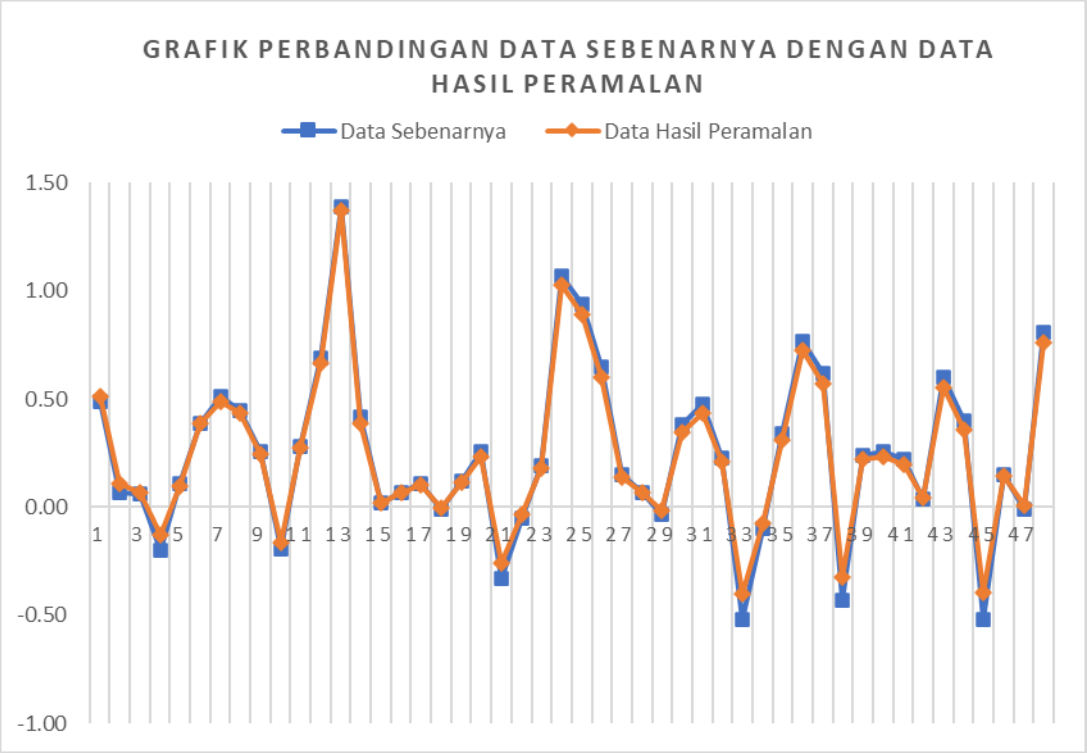
- Model jaringan [8-1-1], jumlah iterasi = 5000, alpha = 0.4, MAPE = 19.89 %



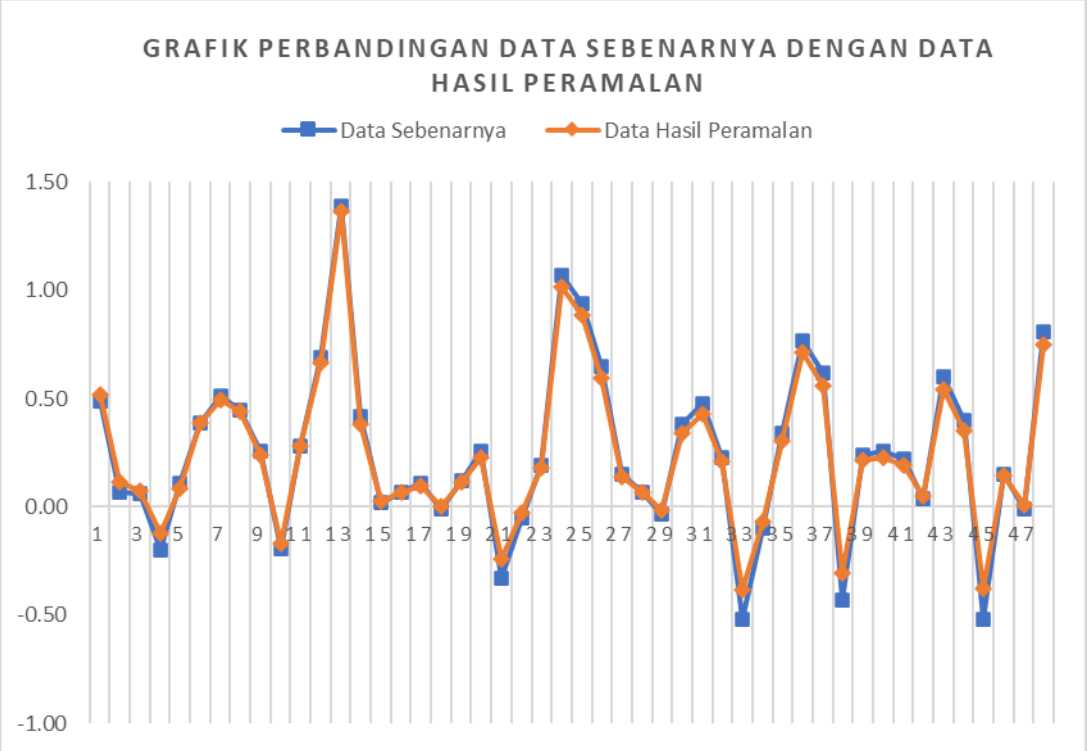
- Model jaringan [8-2-1], jumlah iterasi = 5000, alpha = 0.4, MAPE = 19.33 %



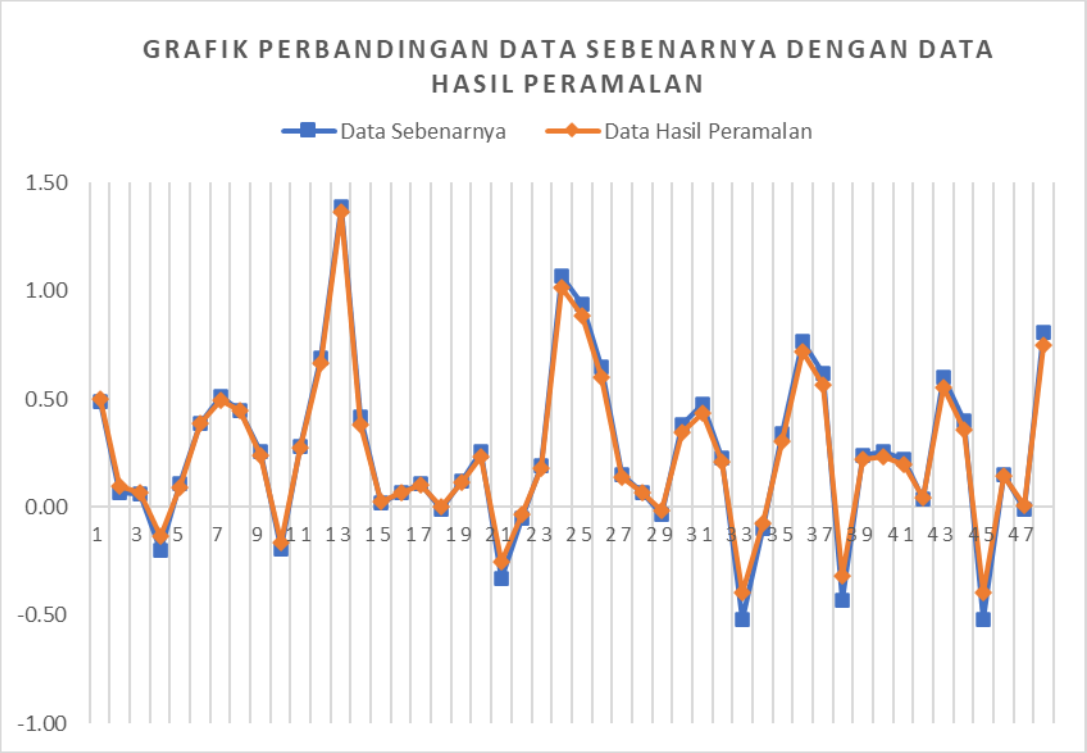
- Model jaringan [8-3-1], jumlah iterasi = 5000, alpha = 0.4, MAPE = 16.75 %



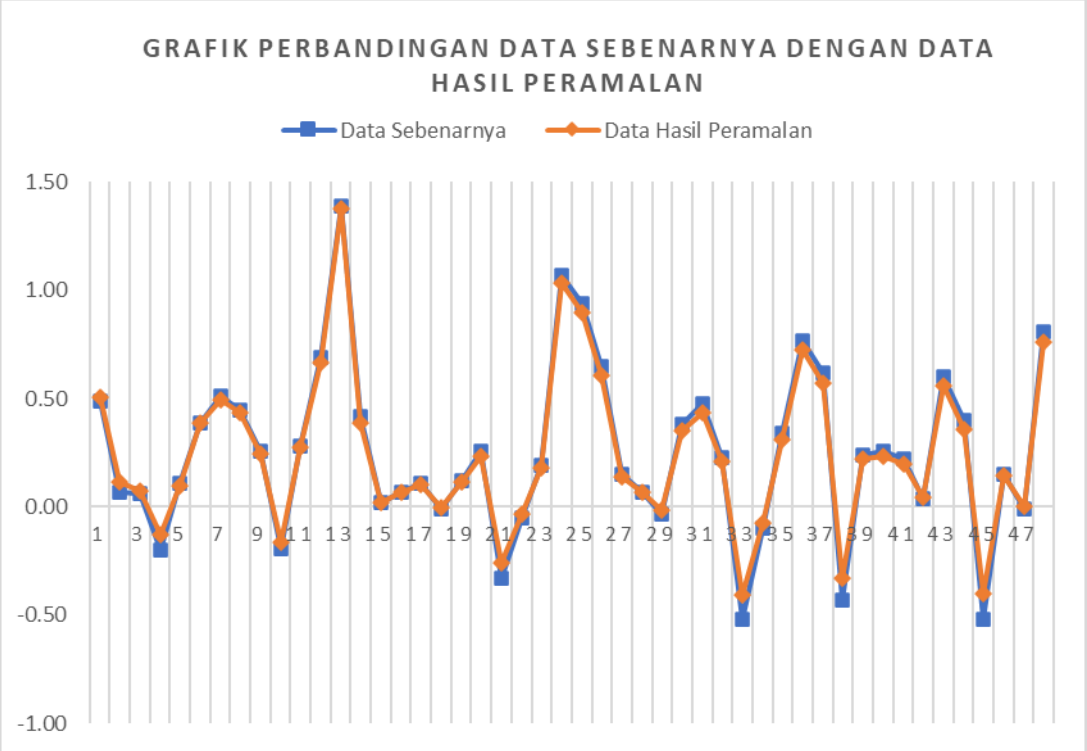
- Model jaringan [8-4-1], jumlah iterasi = 5000, alpha = 0.4, MAPE = 20.50 %



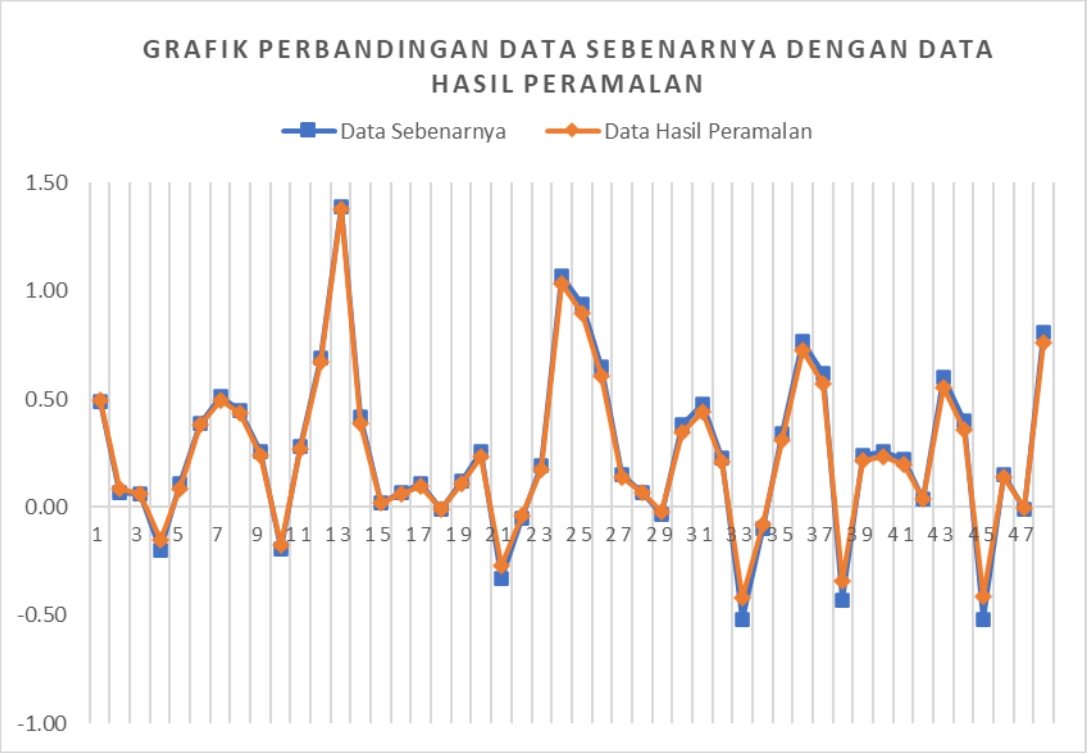
- Model jaringan [8-5-1], jumlah iterasi = 5000, alpha = 0.4, MAPE = 17.89 %



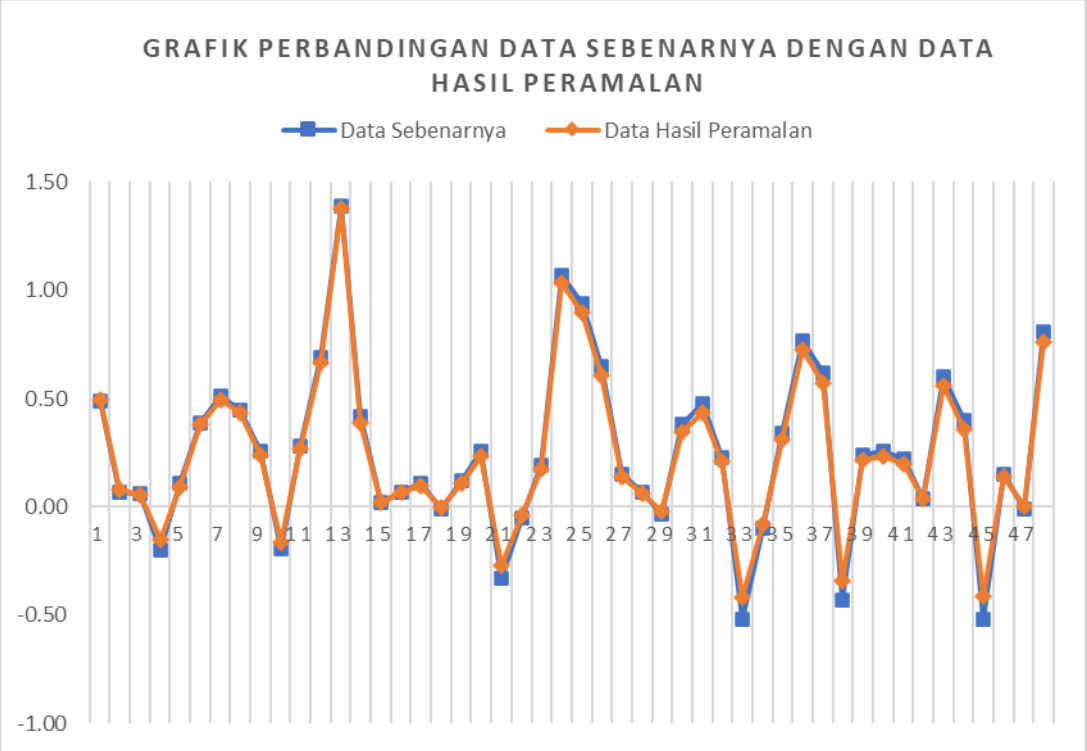
- Model jaringan [8-6-1], jumlah iterasi = 5000, alpha = 0.4, MAPE = 15.94 %



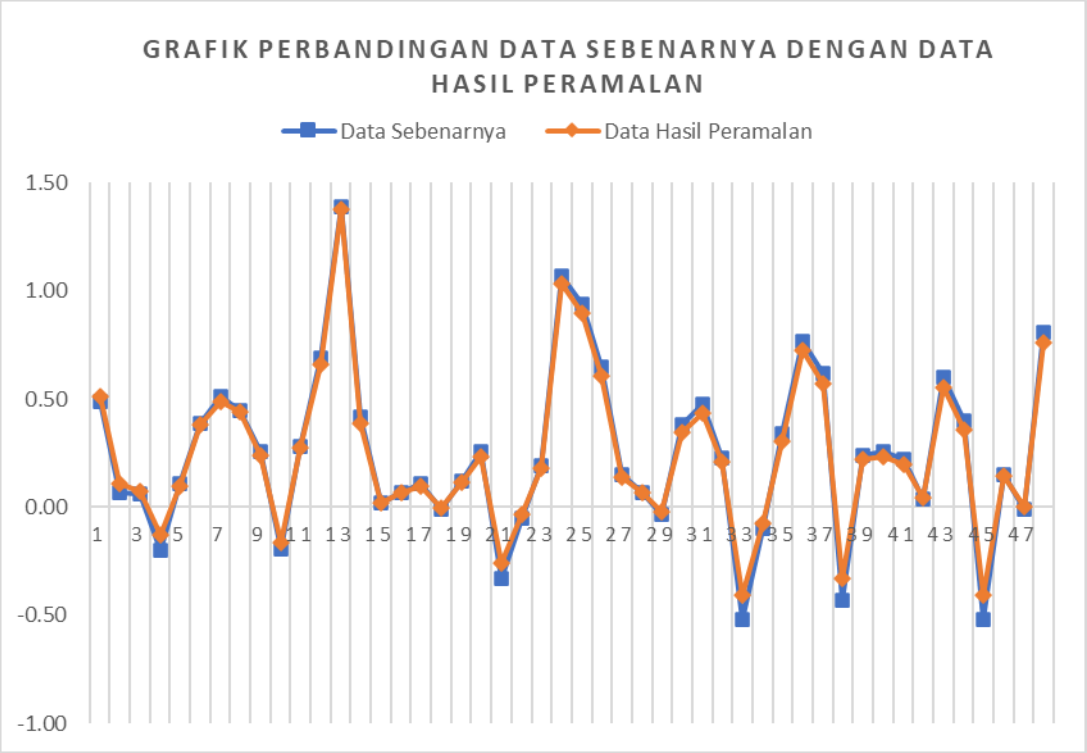
- Model jaringan [8-7-1], jumlah iterasi = 5000, alpha = 0.4, MAPE = 12.06 %



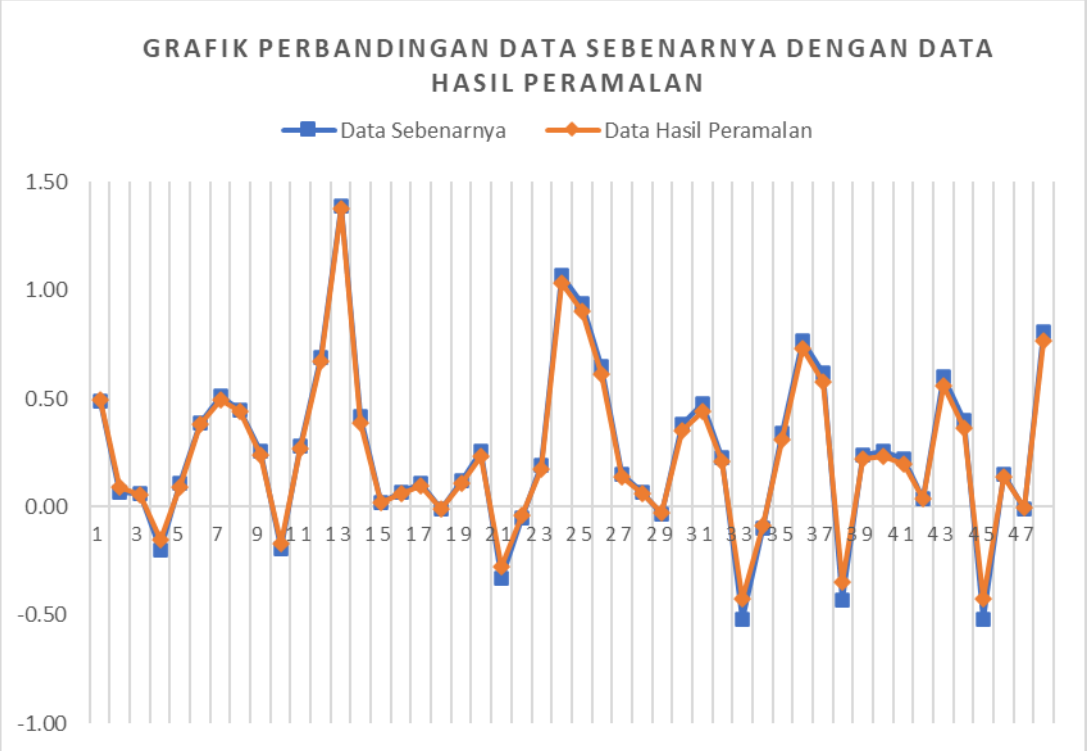
- Model jaringan [8-8-1], jumlah iterasi = 5000, alpha = 0.4, MAPE = 12.12 %



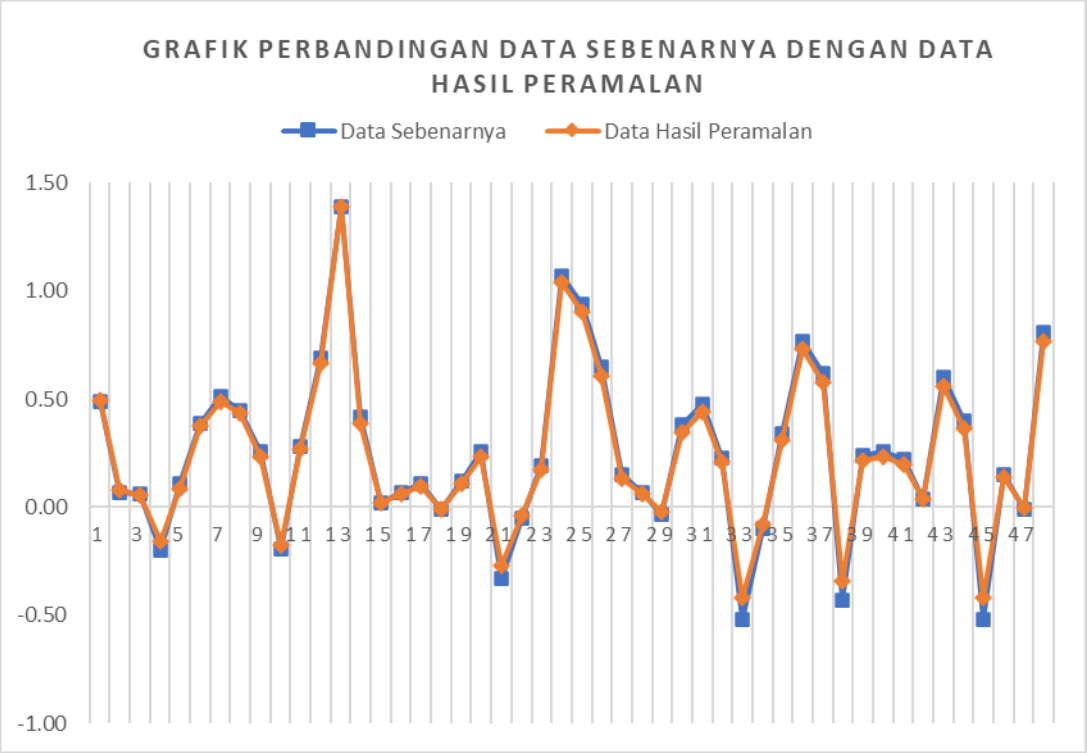
- Model jaringan [8-9-1], jumlah iterasi = 5000, alpha = 0.4, MAPE = 15.21 %



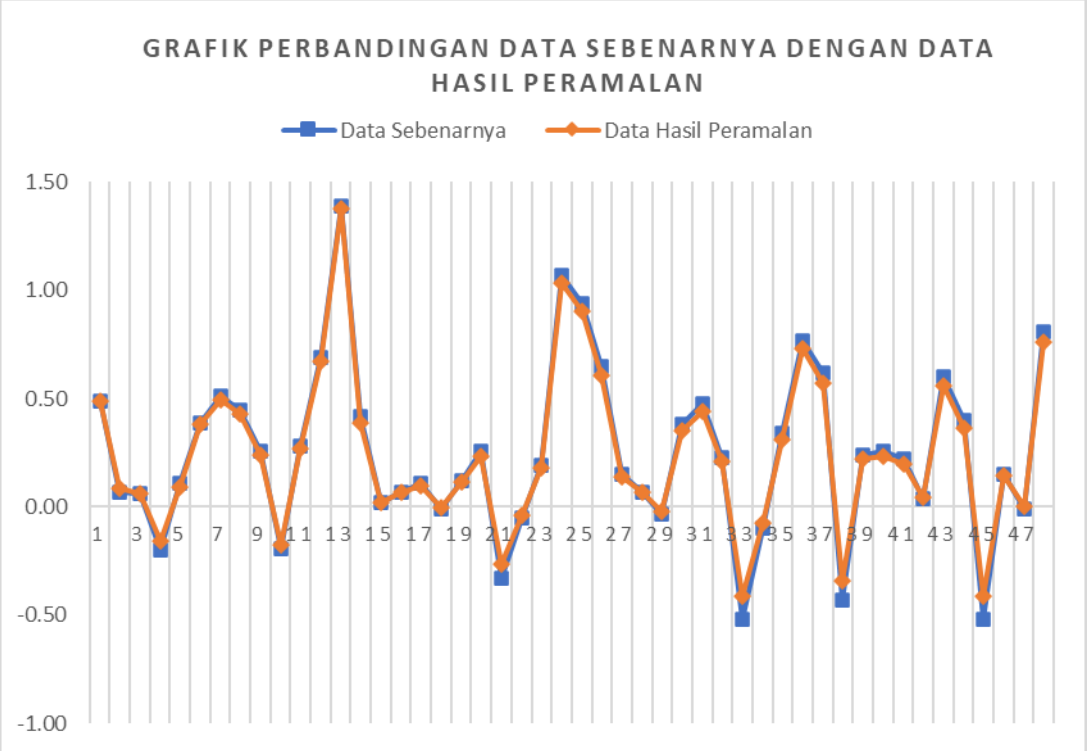
- Model jaringan [8-10-1], jumlah iterasi = 5000, alpha = 0.4, MAPE = 10.78 %



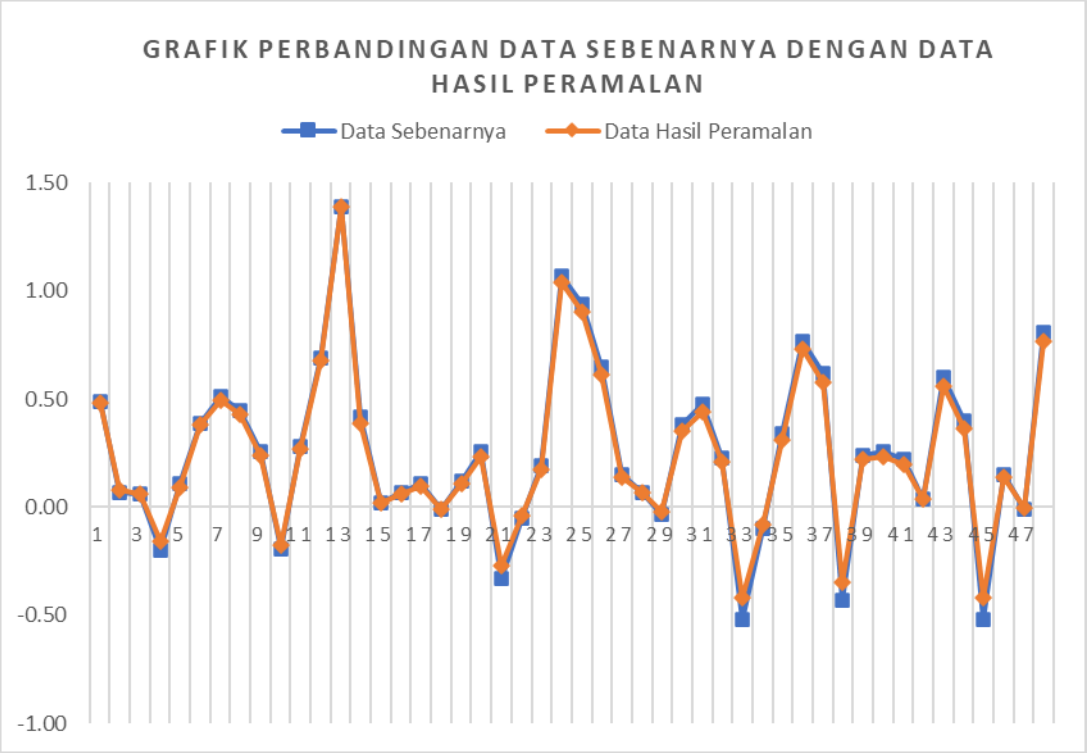
- Model jaringan [8-11-1], jumlah iterasi = 5000, alpha = 0.4, MAPE = 11.30 %



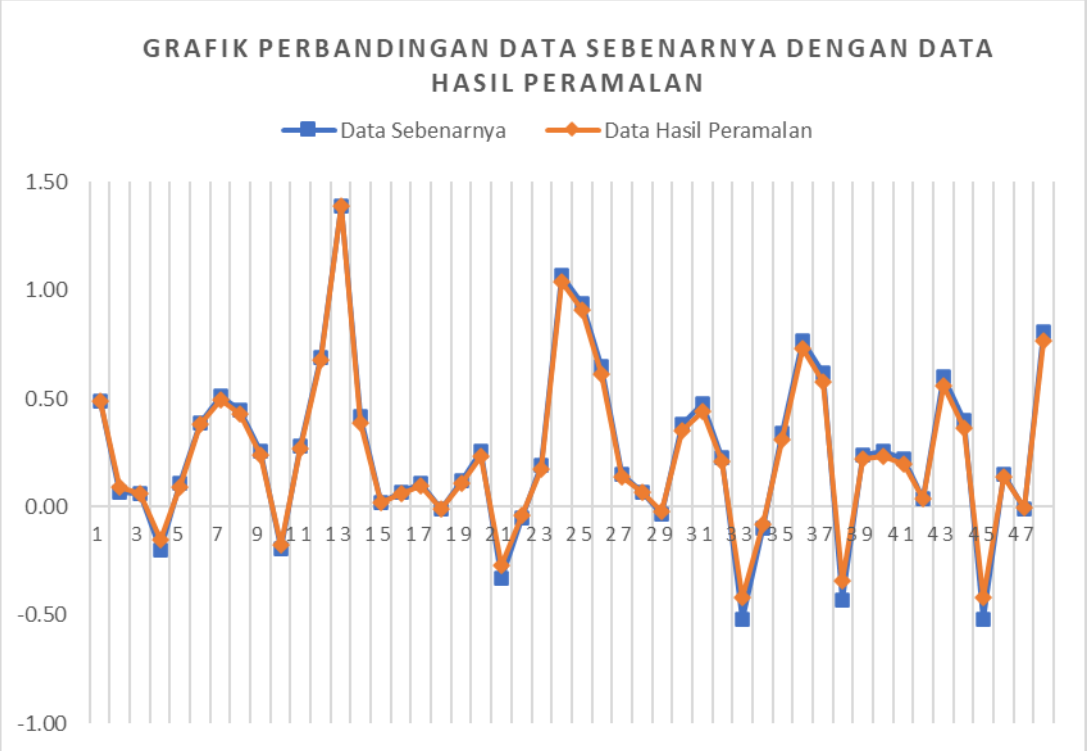
- Model jaringan [8-12-1], jumlah iterasi = 5000, alpha = 0.4, MAPE = 12.96 %



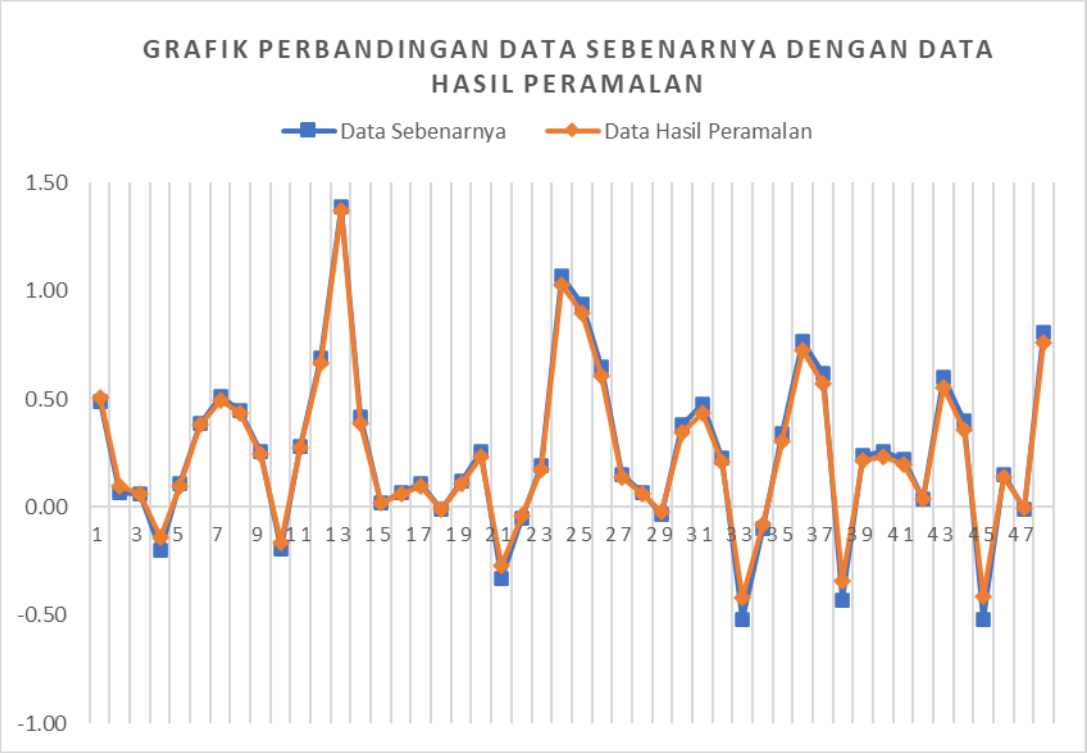
- Model jaringan [8-13-1], jumlah iterasi = 5000, alpha = 0.4, MAPE = 10.86 %



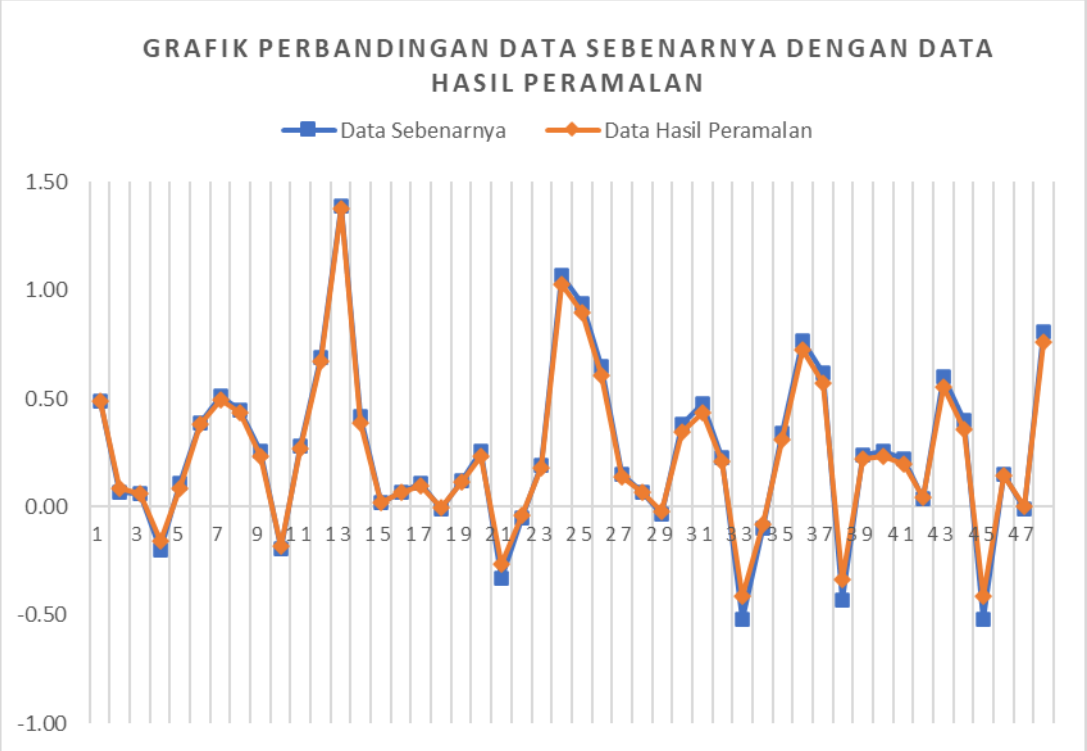
- Model jaringan [8-14-1], jumlah iterasi = 5000, alpha = 0.4, MAPE = 11.23 %



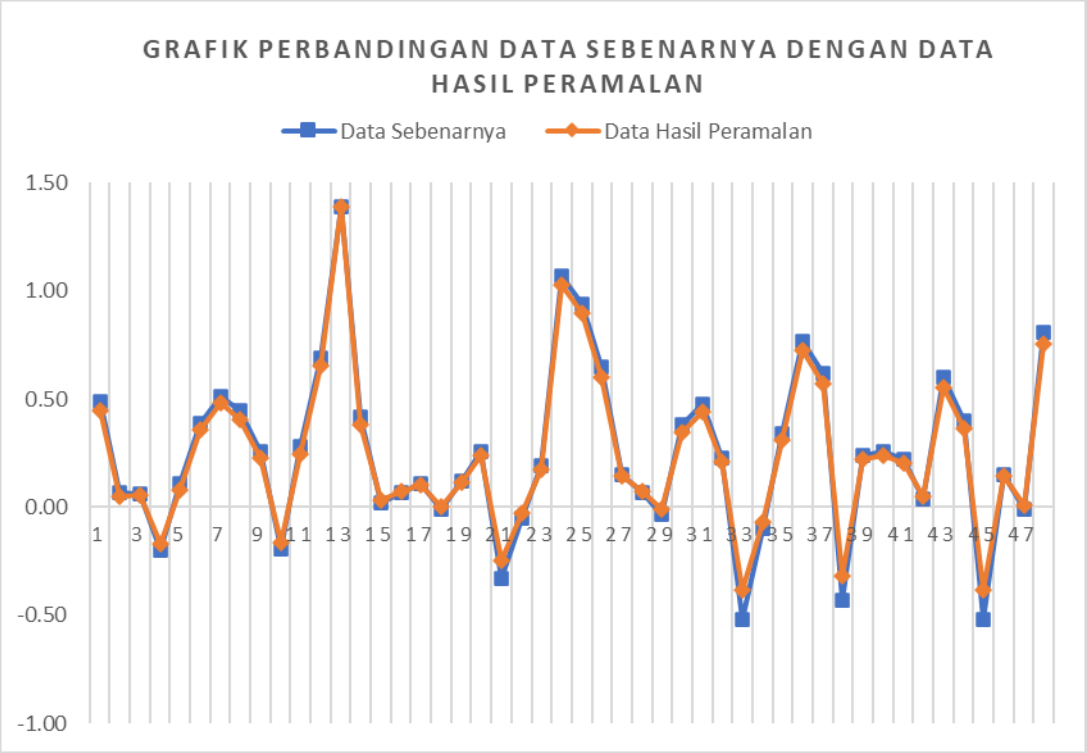
- Model jaringan [8-15-1], jumlah iterasi = 5000, alpha = 0.4, MAPE = 12.47 %



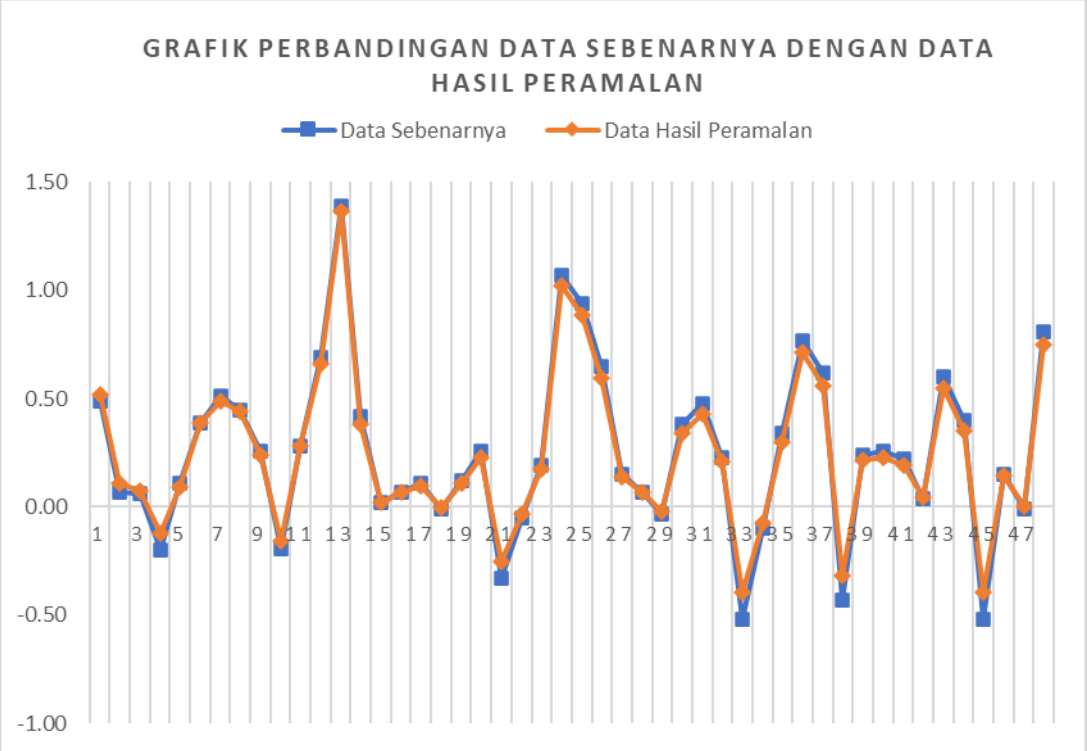
- Model jaringan [8-16-1], jumlah iterasi = 5000, alpha = 0.4, MAPE = 13.24 %



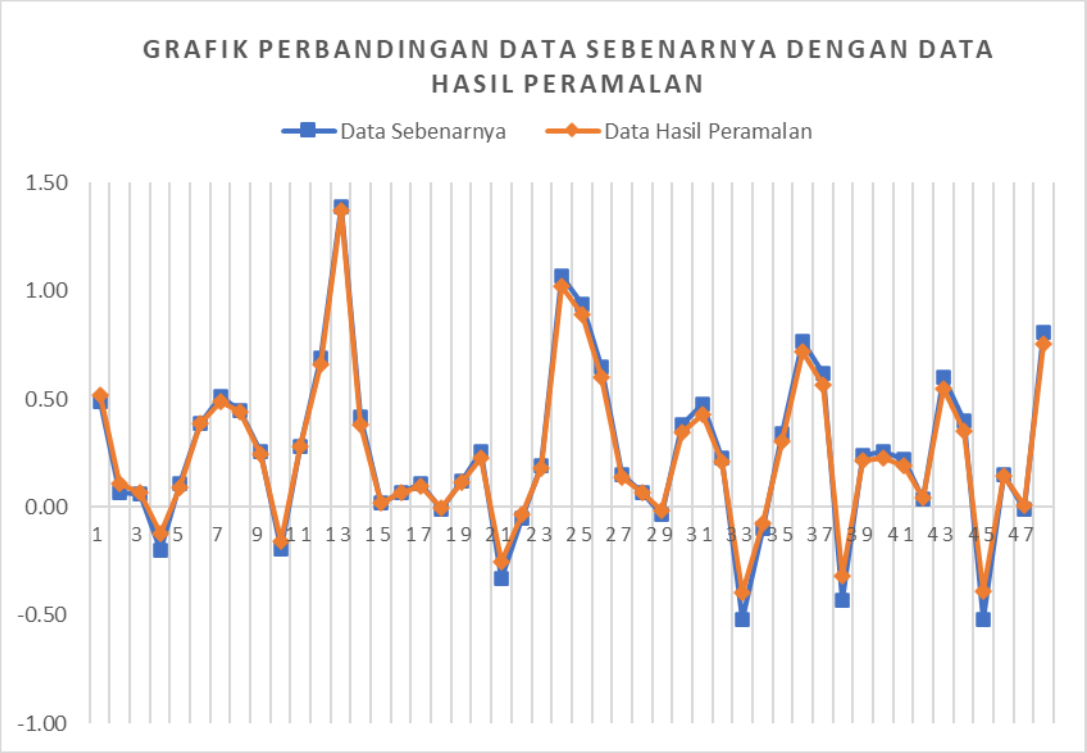
- Model jaringan [8-1-1], jumlah iterasi = 5000, alpha = 0.5, MAPE = 20.36 %



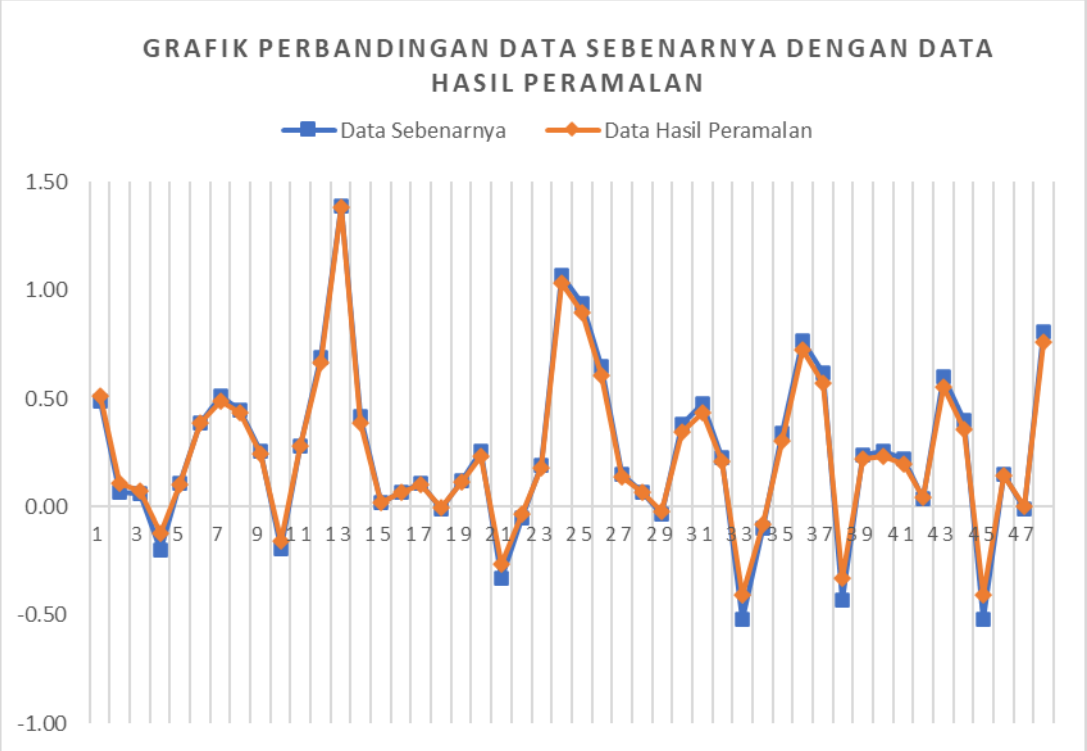
- Model jaringan [8-2-1], jumlah iterasi = 5000, alpha = 0.5, MAPE = 17.18 %



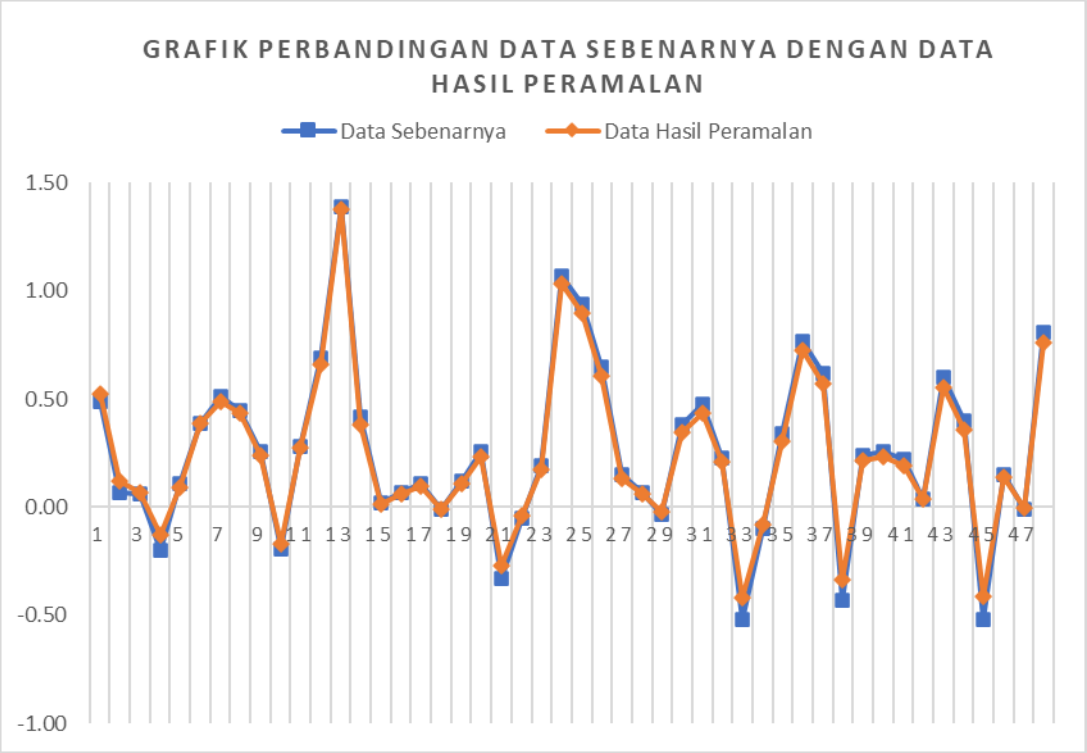
- Model jaringan [8-3-1], jumlah iterasi = 5000, alpha = 0.5, MAPE = 17.70 %



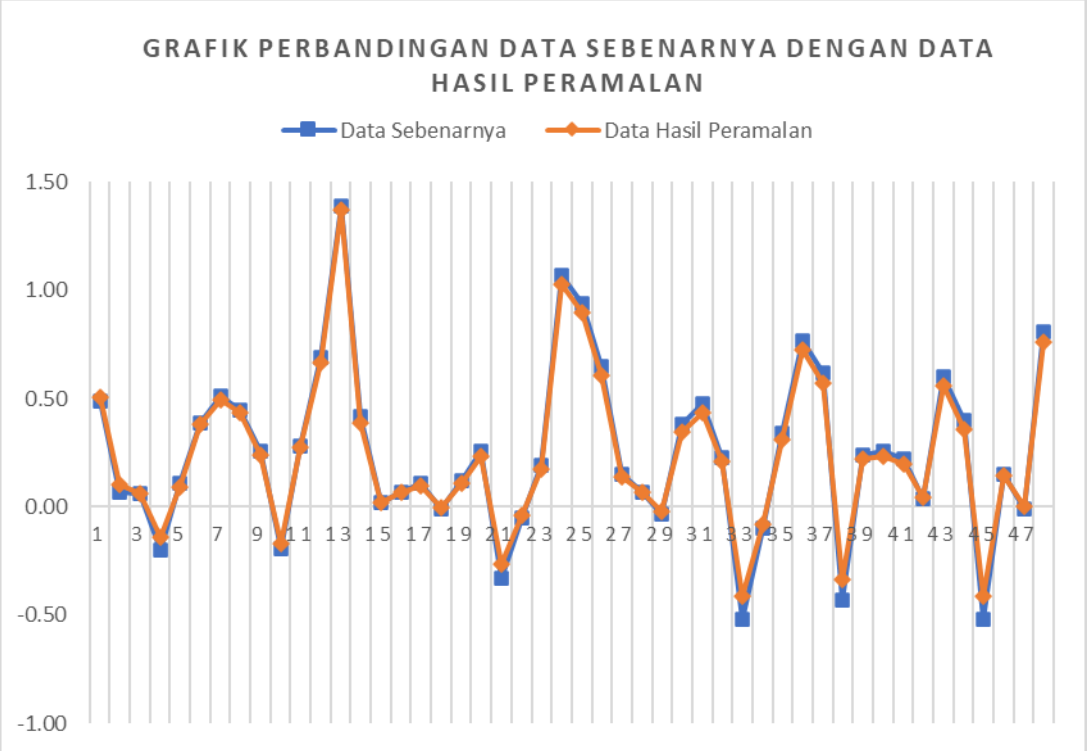
- Model jaringan [8-4-1], jumlah iterasi = 5000, alpha = 0.5, MAPE = 14.70 %



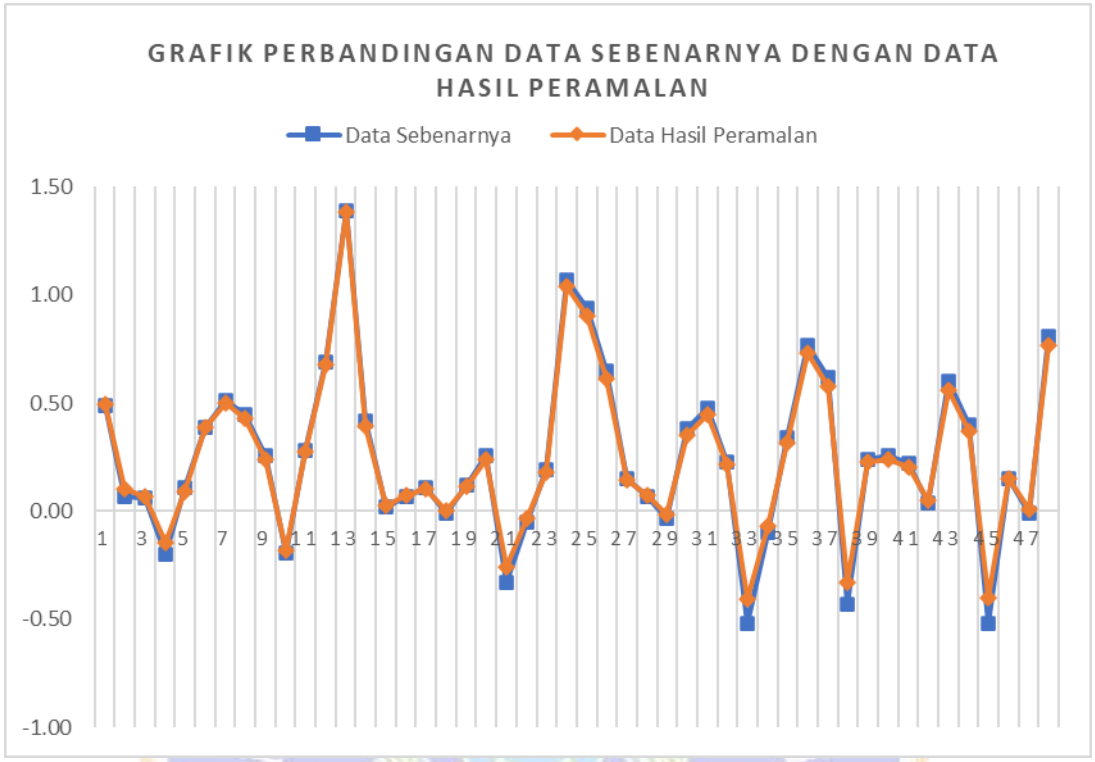
- Model jaringan [8-5-1], jumlah iterasi = 5000, alpha = 0.5, MAPE = 13.33 %



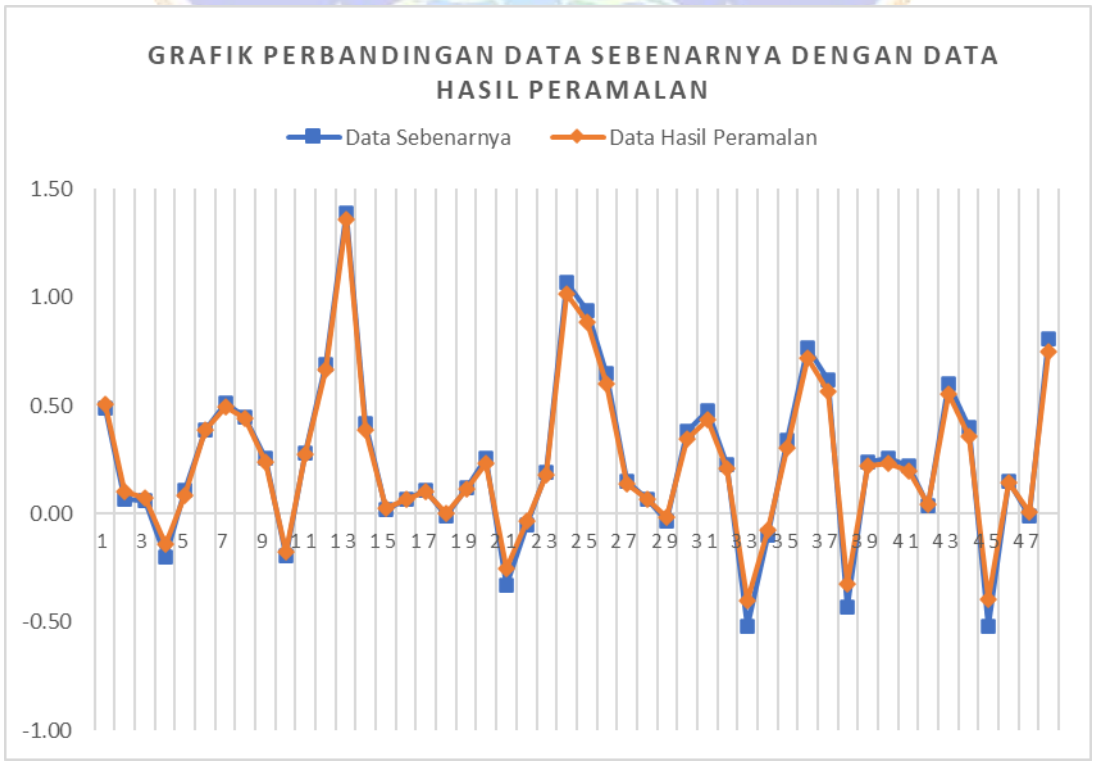
- Model jaringan [8-6-1], jumlah iterasi = 5000, alpha = 0.5, MAPE = 13.29 %



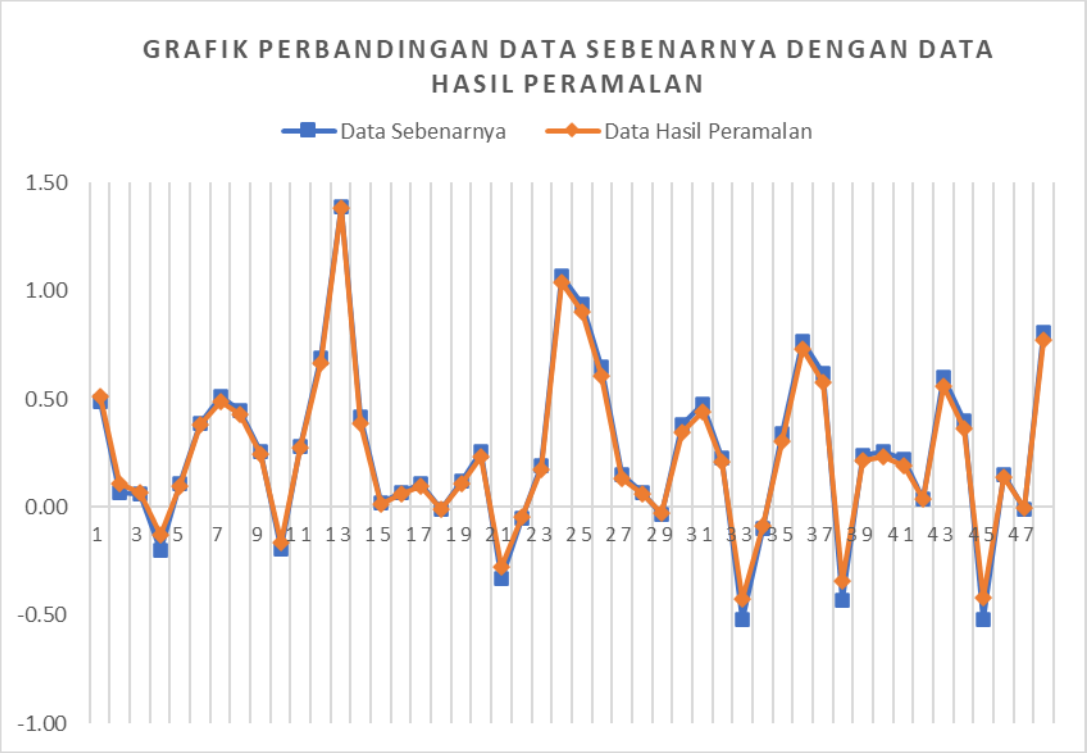
- Model jaringan [8-7-1], jumlah iterasi = 5000, alpha = 0.5, MAPE = 16.48 %



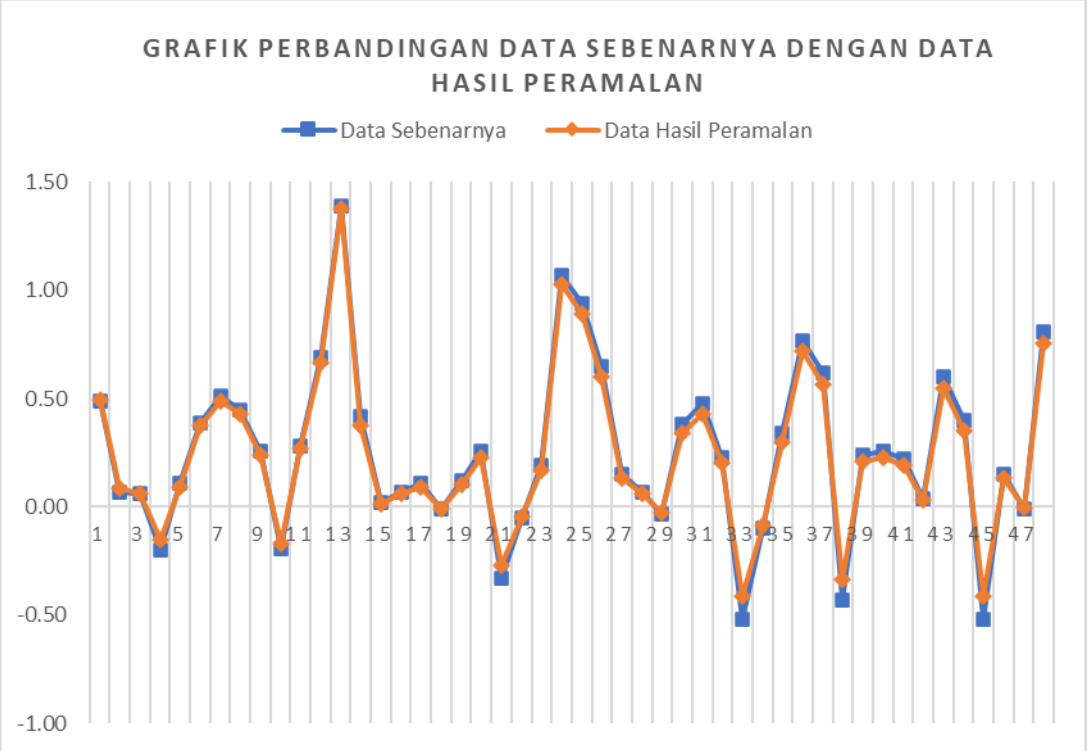
- Model jaringan [8-8-1], jumlah iterasi = 5000, alpha = 0.5, MAPE = 17.67 %



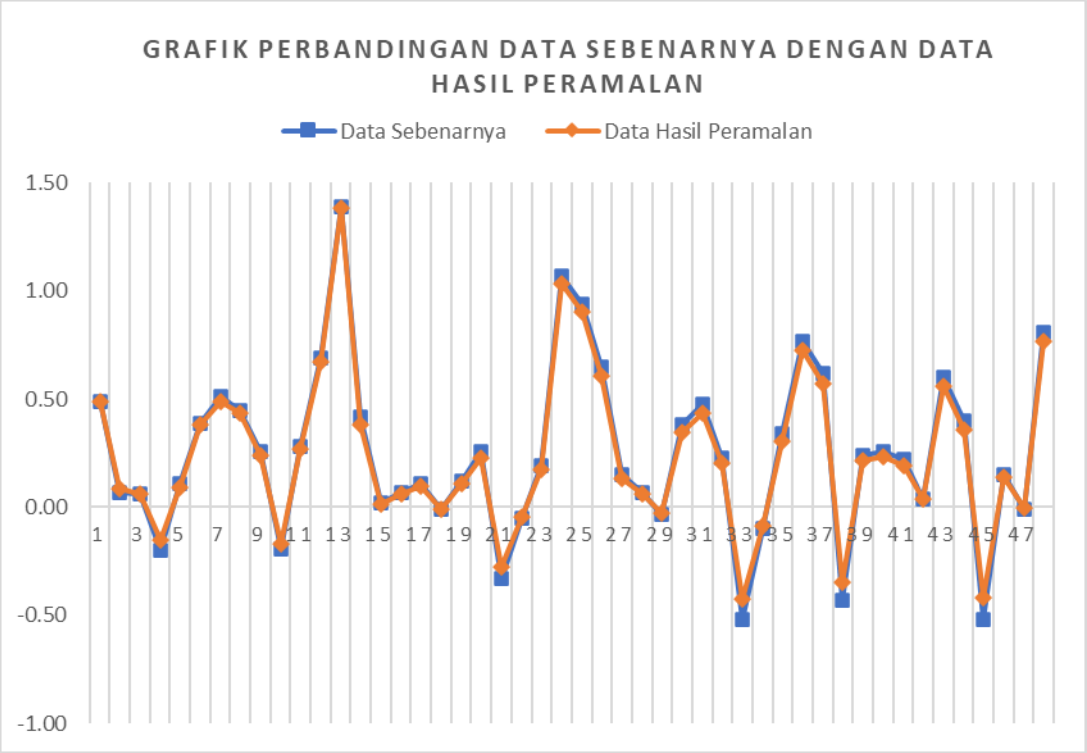
- Model jaringan [8-9-1], jumlah iterasi = 5000, alpha = 0.5, MAPE = 11.98 %



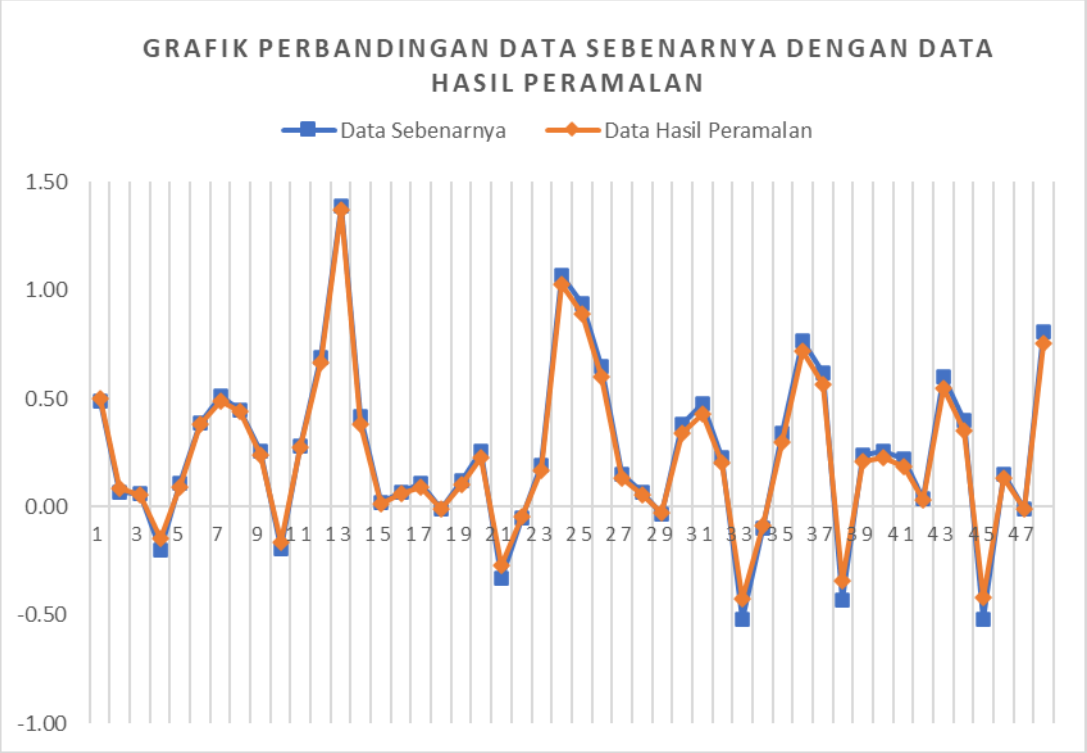
- Model jaringan [8-10-1], jumlah iterasi = 5000, alpha = 0.5, MAPE = 11.85 %



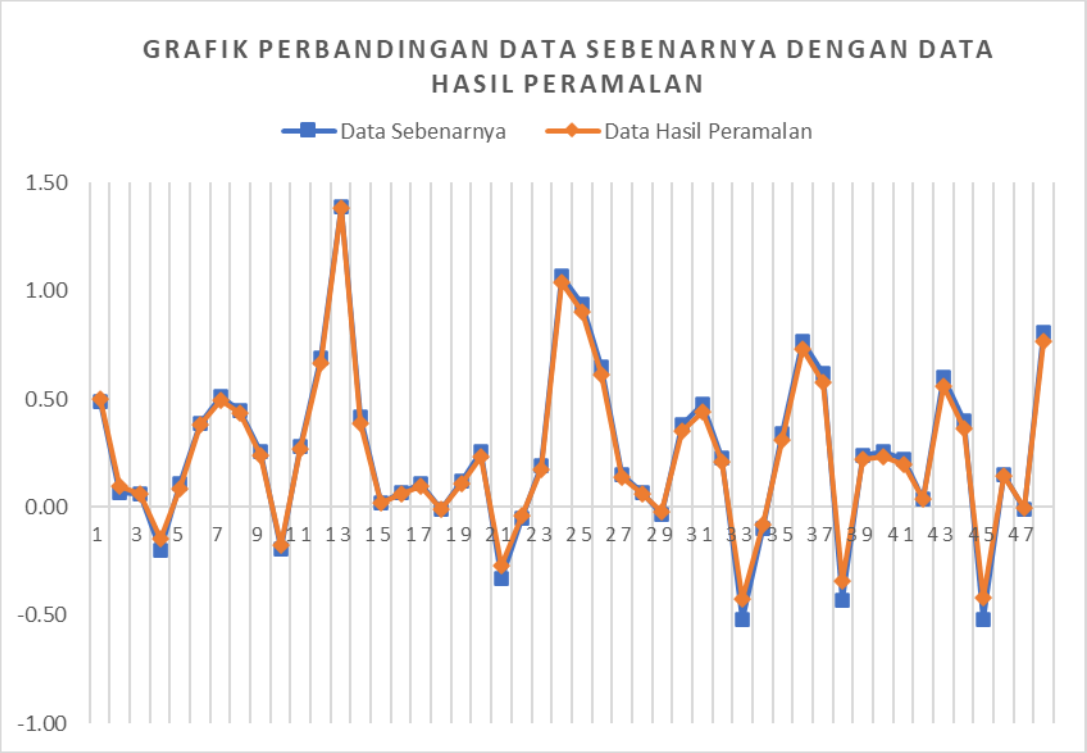
- Model jaringan [8-11-1], jumlah iterasi = 5000, alpha = 0.5, MAPE = 10.88 %



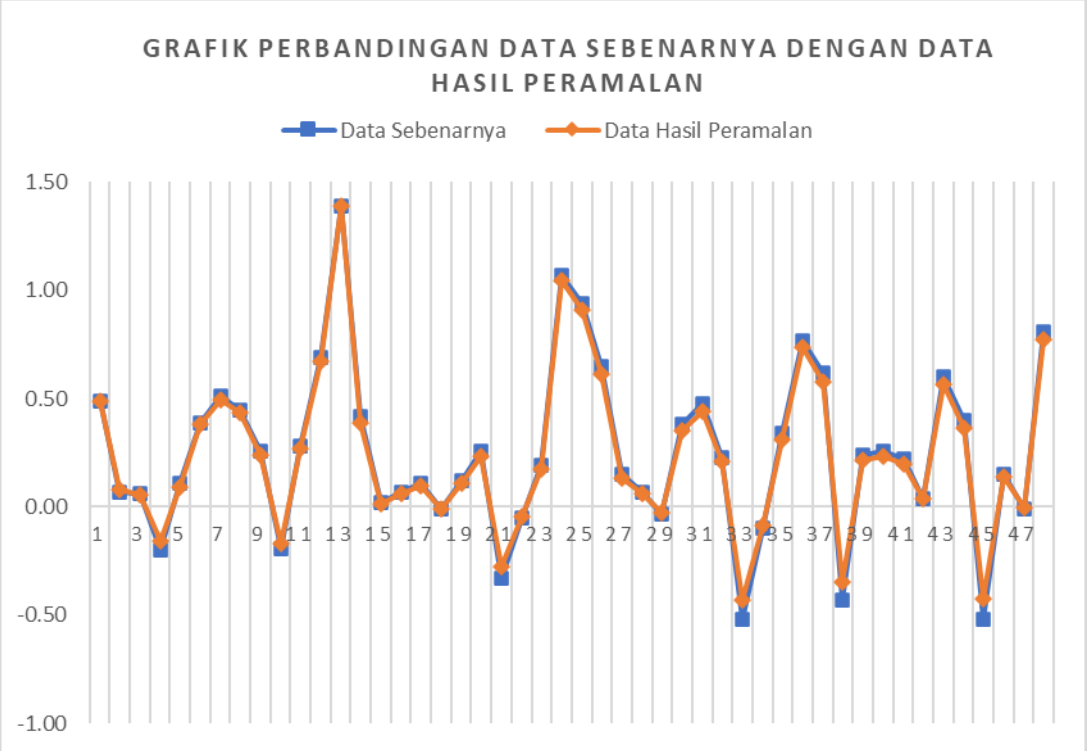
- Model jaringan [8-12-1], jumlah iterasi = 5000, alpha = 0.5, MAPE = 11.46 %



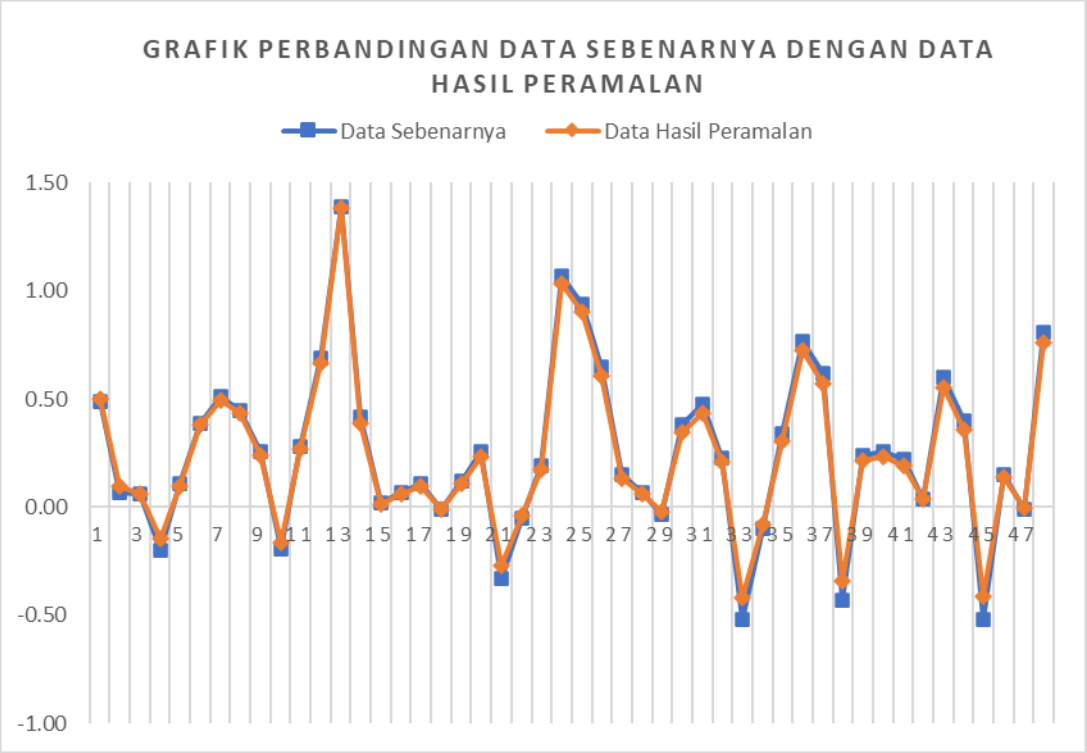
- Model jaringan [8-13-1], jumlah iterasi = 5000, alpha = 0.5, MAPE = 11.51 %



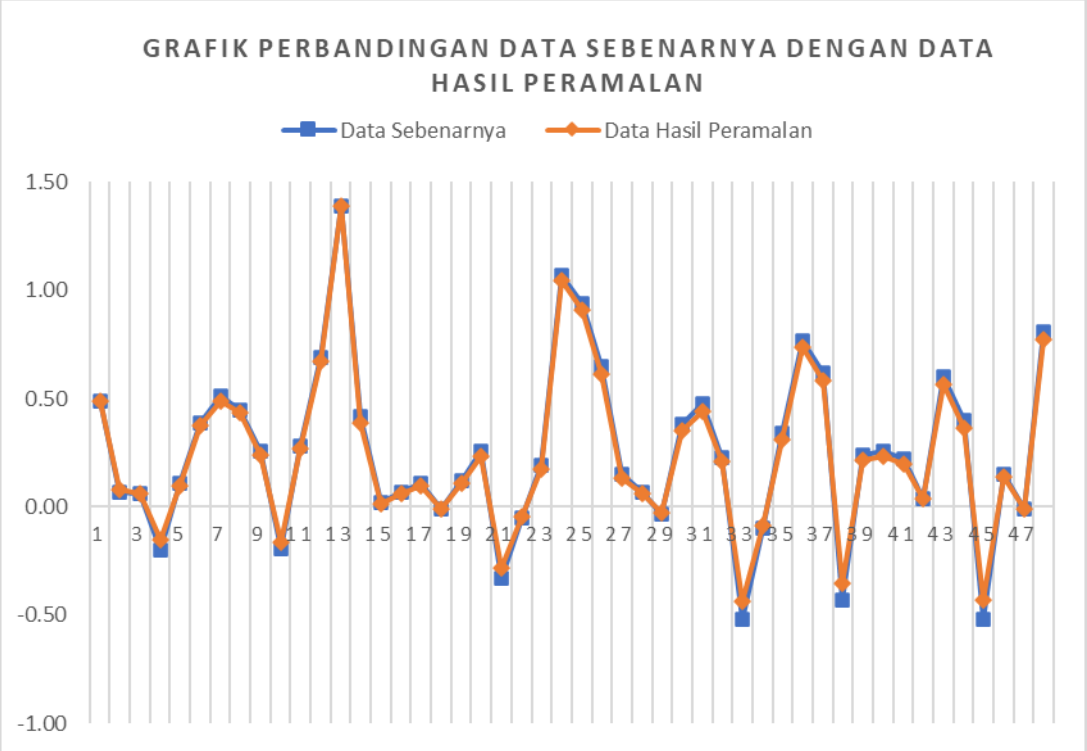
- Model jaringan [8-14-1], jumlah iterasi = 5000, alpha = 0.5, MAPE = 9.88 %



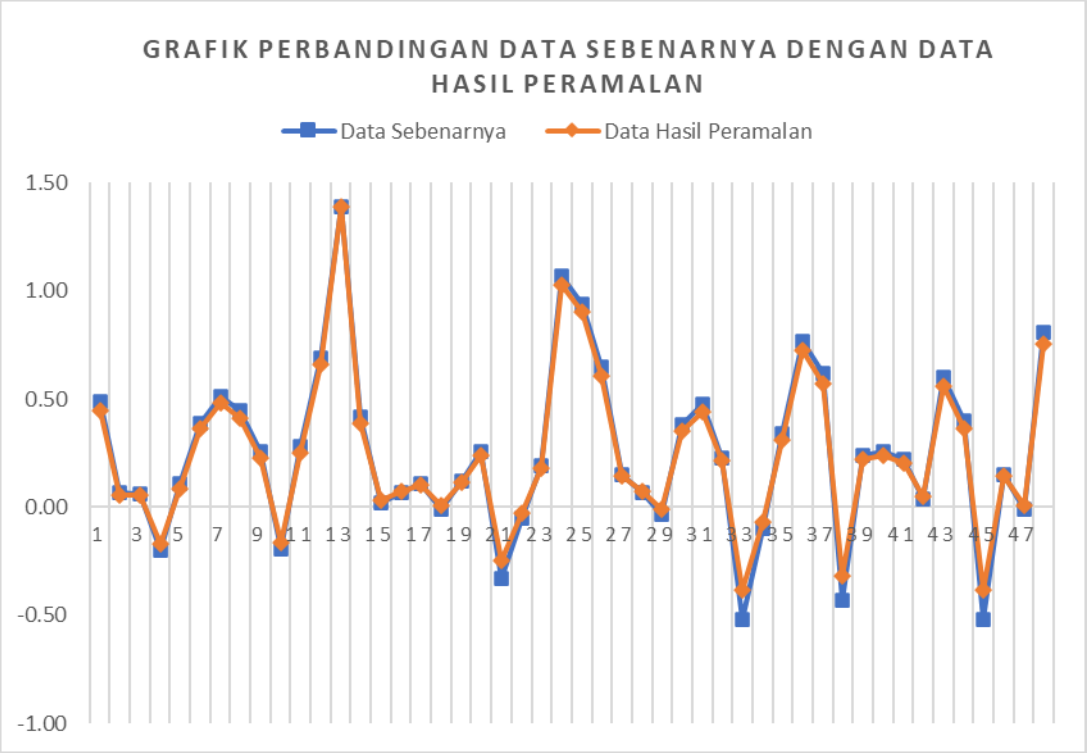
- Model jaringan [8-15-1], jumlah iterasi = 5000, alpha = 0.5, MAPE = 11.91 %



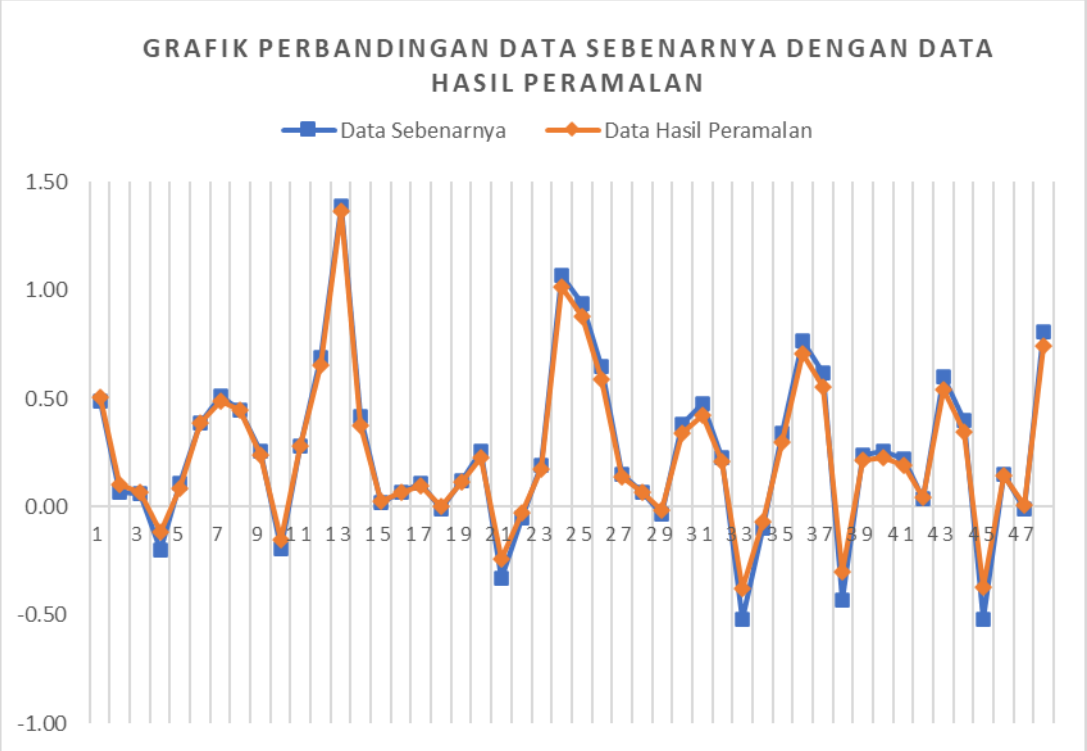
- Model jaringan [8-16-1], jumlah iterasi = 5000, alpha = 0.5, MAPE = 9.77 %



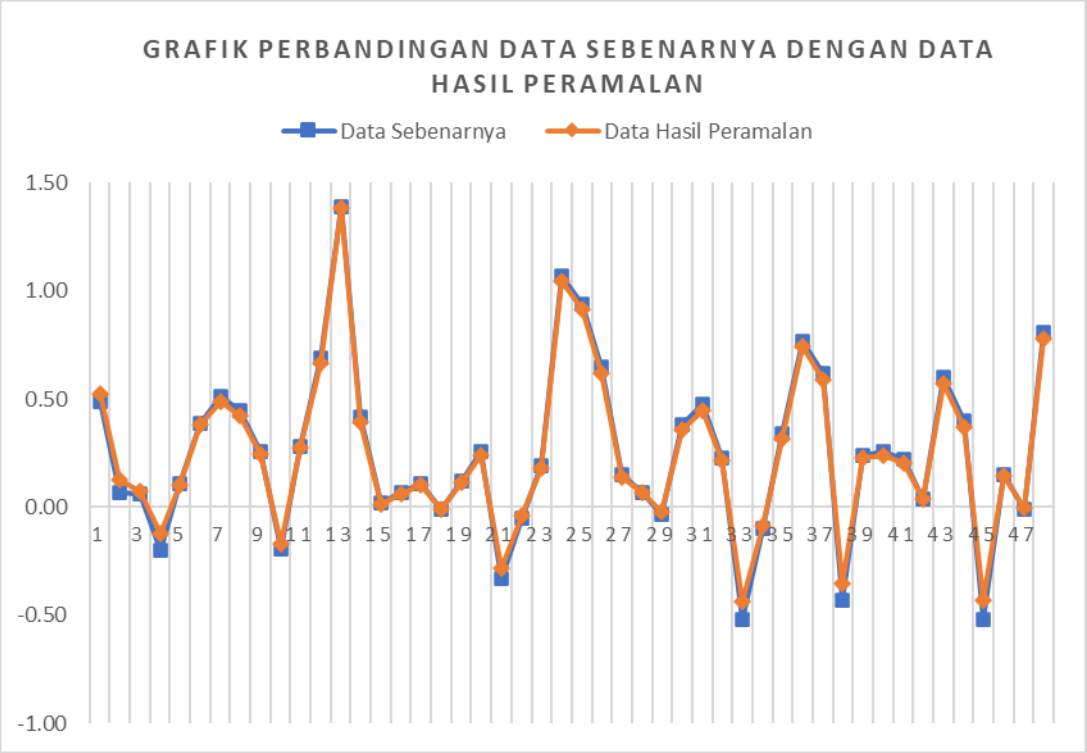
- Model jaringan [8-1-1], jumlah iterasi = 5000, alpha = 0.6, MAPE = 20.95 %



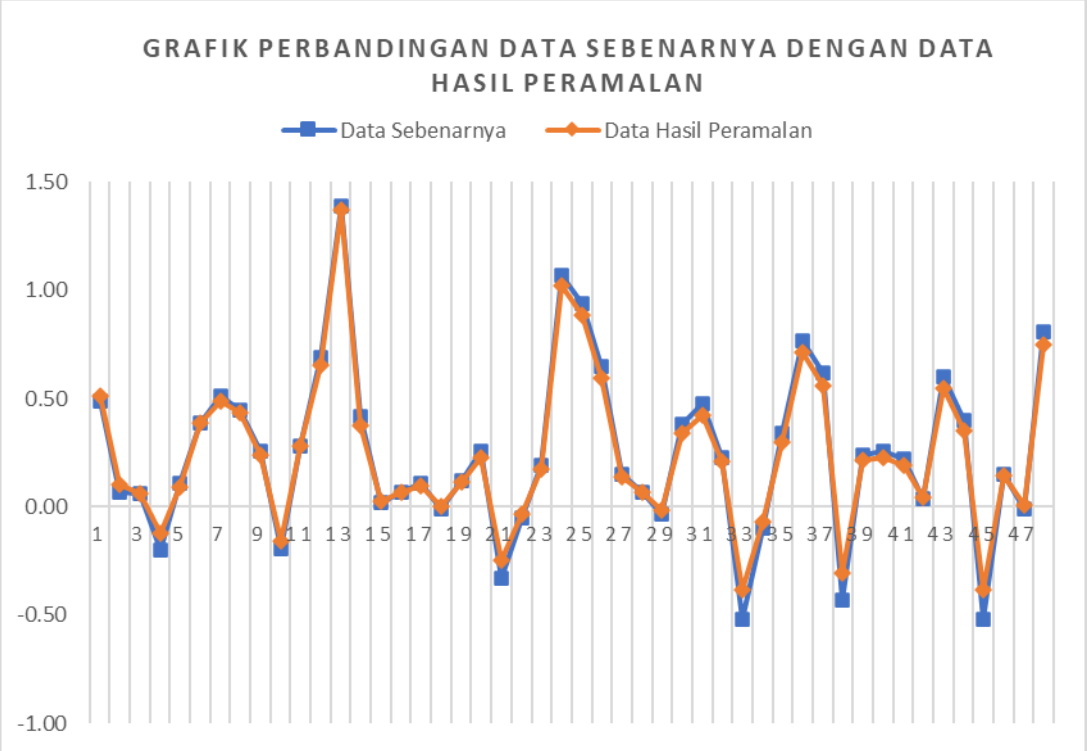
- Model jaringan [8-2-1], jumlah iterasi = 5000, alpha = 0.6, MAPE = 20.84 %



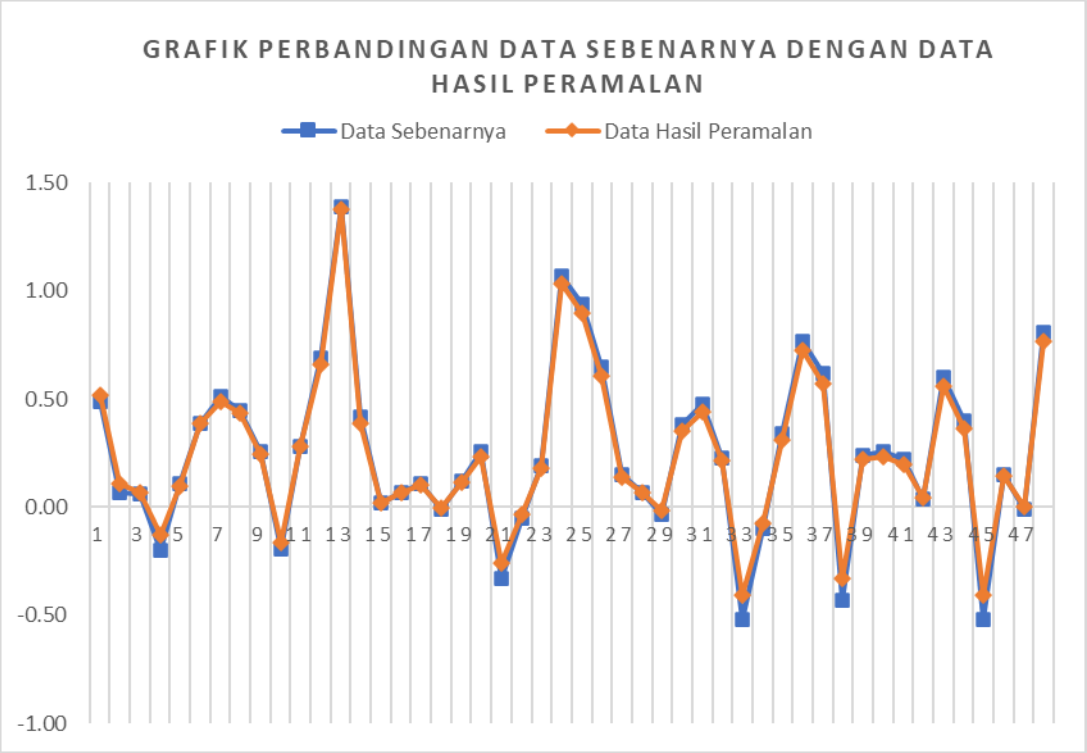
- Model jaringan [8-3-1], jumlah iterasi = 5000, alpha = 0.6, MAPE = 11.35 %



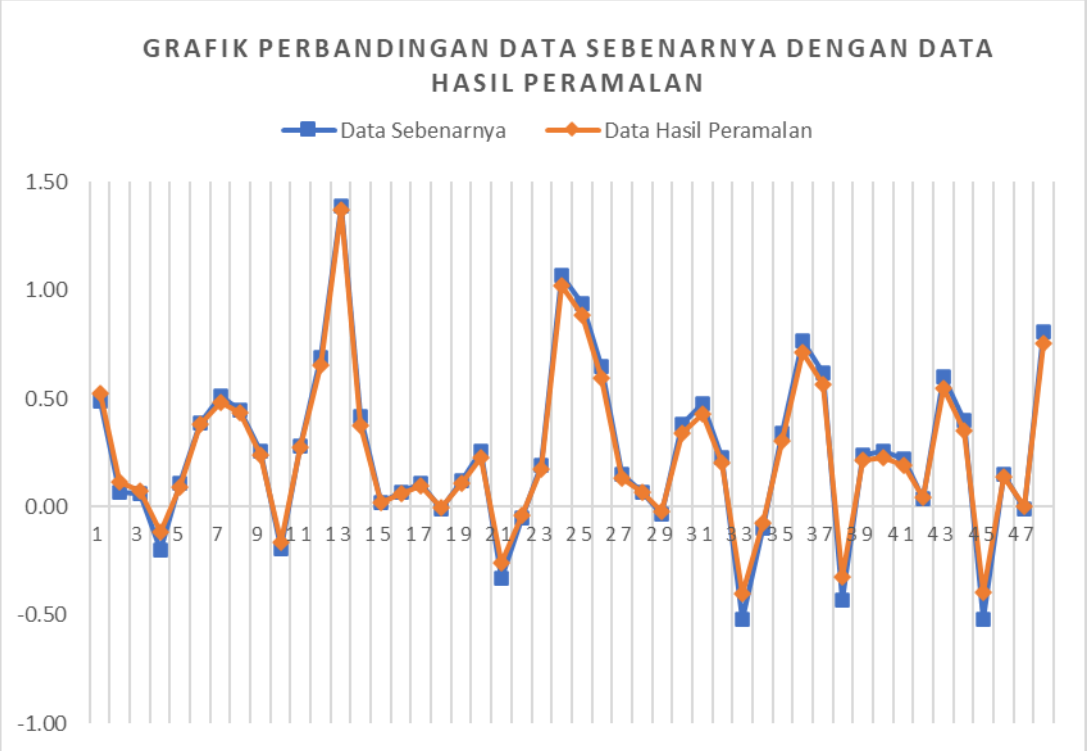
- Model jaringan [8-4-1], jumlah iterasi = 5000, alpha = 0.6, MAPE = 19.00 %



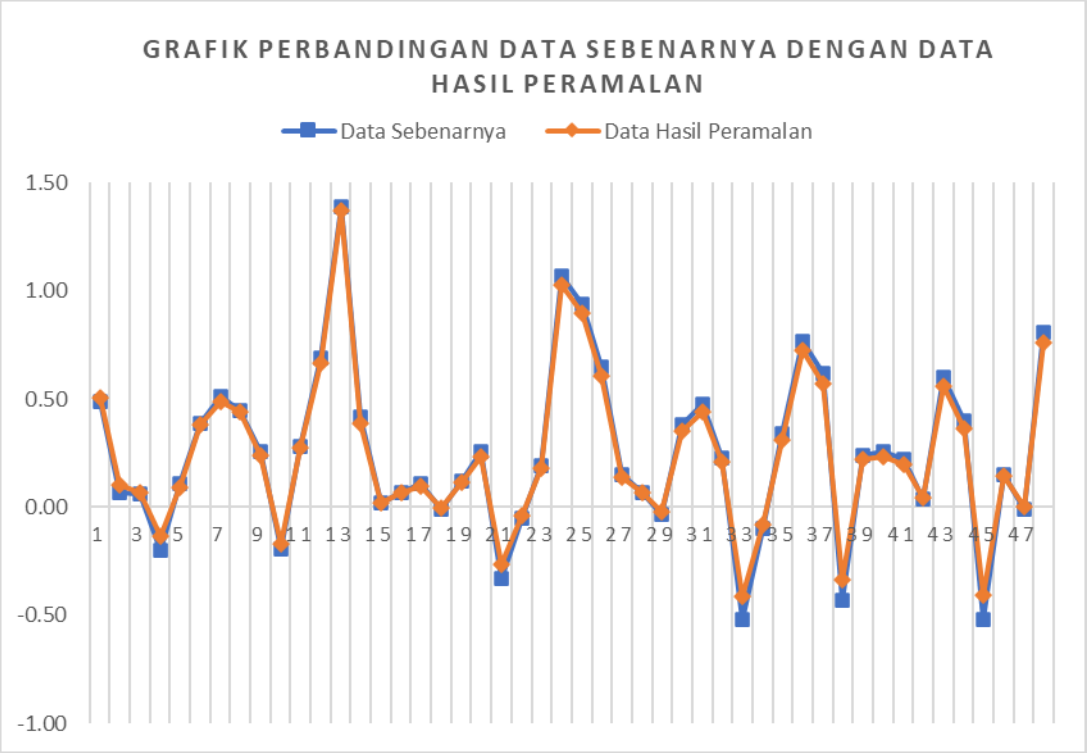
- Model jaringan [8-5-1], jumlah iterasi = 5000, alpha = 0.6, MAPE = 15.81 %



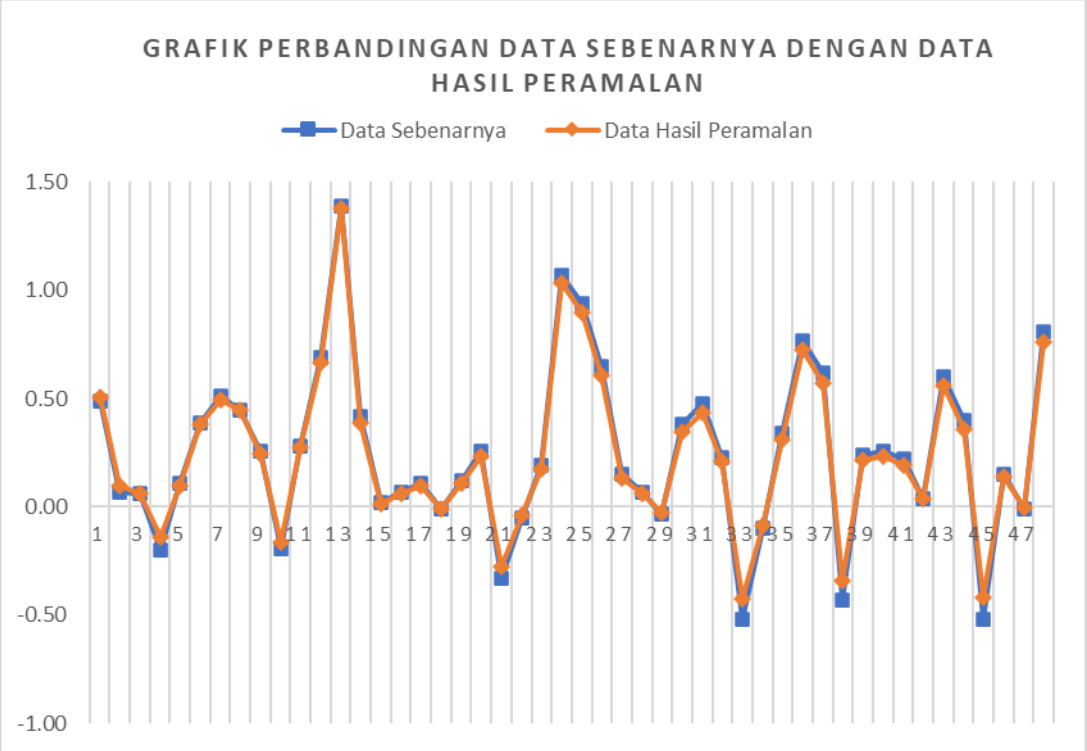
- Model jaringan [8-6-1], jumlah iterasi = 5000, alpha = 0.6, MAPE = 16.16 %



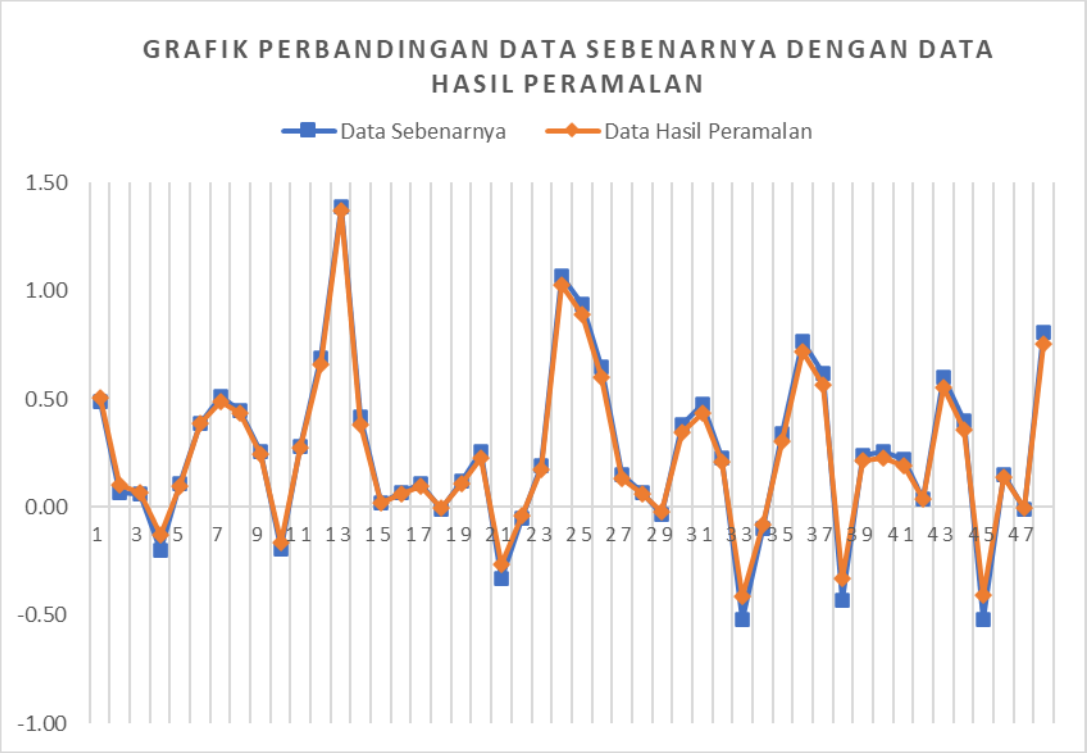
- Model jaringan [8-7-1], jumlah iterasi = 5000, alpha = 0.6, MAPE = 14.61 %



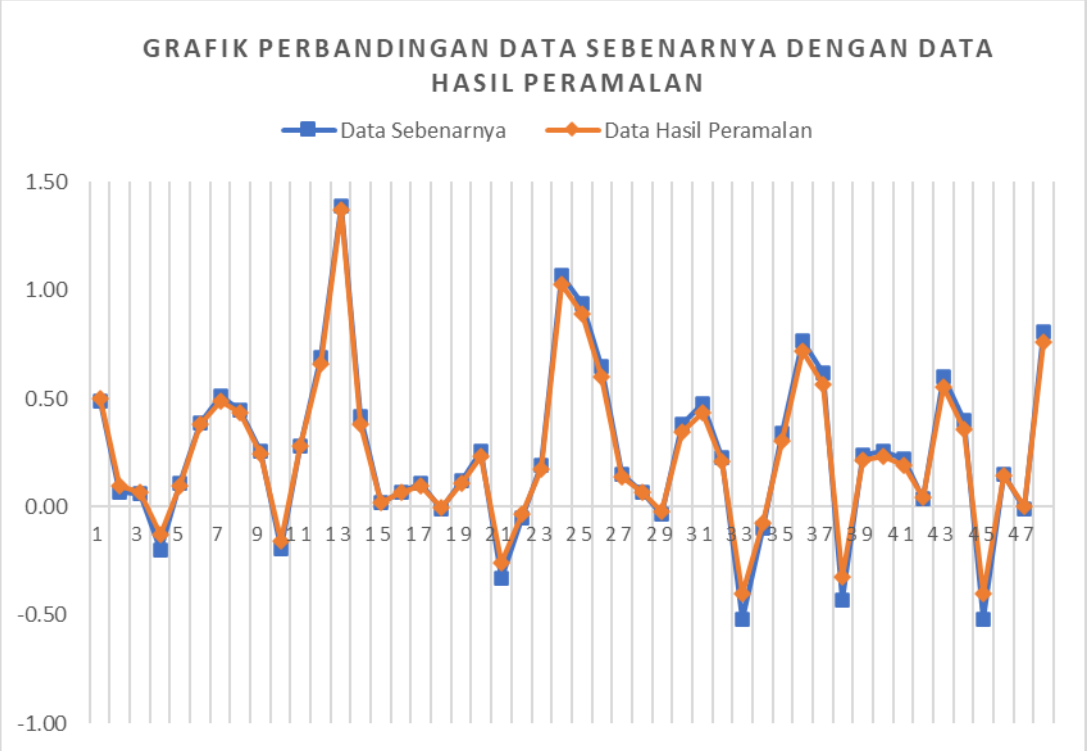
- Model jaringan [8-8-1], jumlah iterasi = 5000, alpha = 0.6, MAPE = 11.60 %



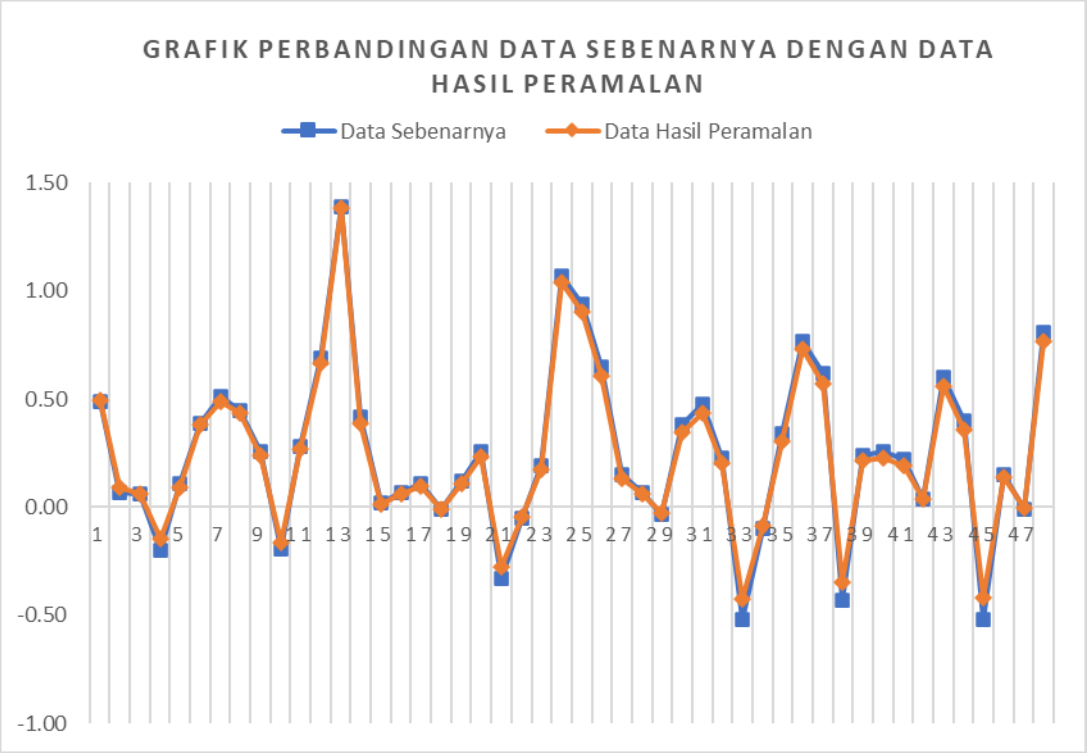
- Model jaringan [8-9-1], jumlah iterasi = 5000, alpha = 0.6, MAPE = 13.73 %



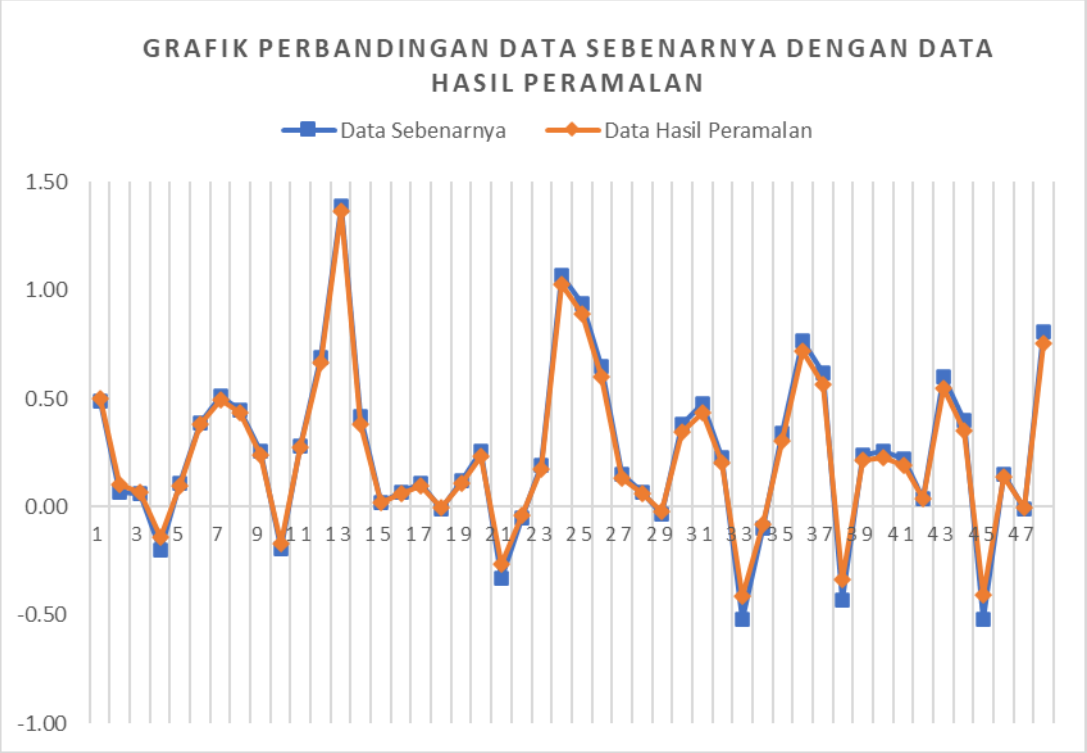
- Model jaringan [8-10-1], jumlah iterasi = 5000, alpha = 0.6, MAPE = 15.42 %



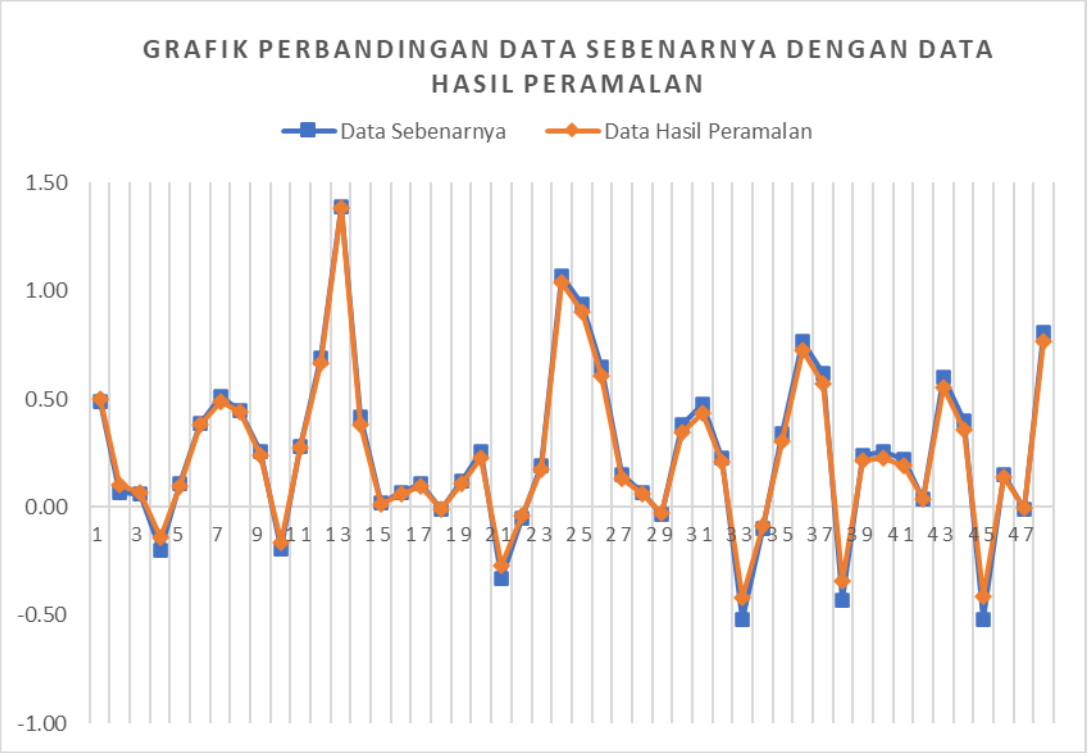
- Model jaringan [8-11-1], jumlah iterasi = 5000, alpha = 0.6, MAPE = 11.09 %



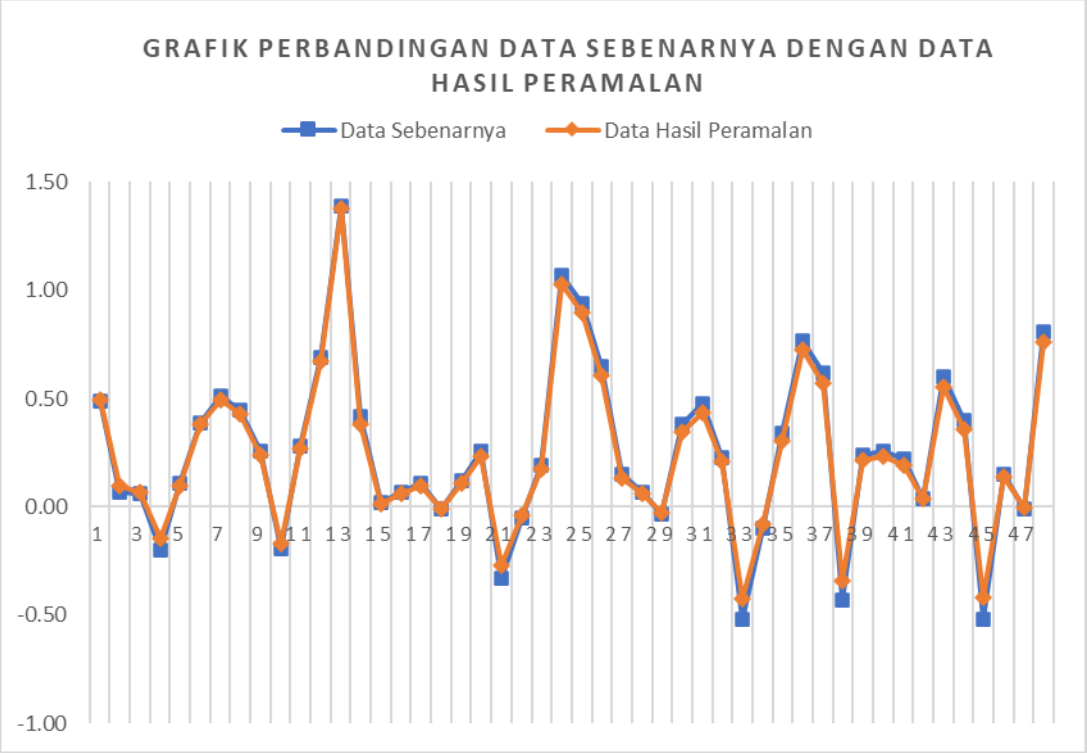
- Model jaringan [8-12-1], jumlah iterasi = 5000, alpha = 0.6, MAPE = 13.21 %



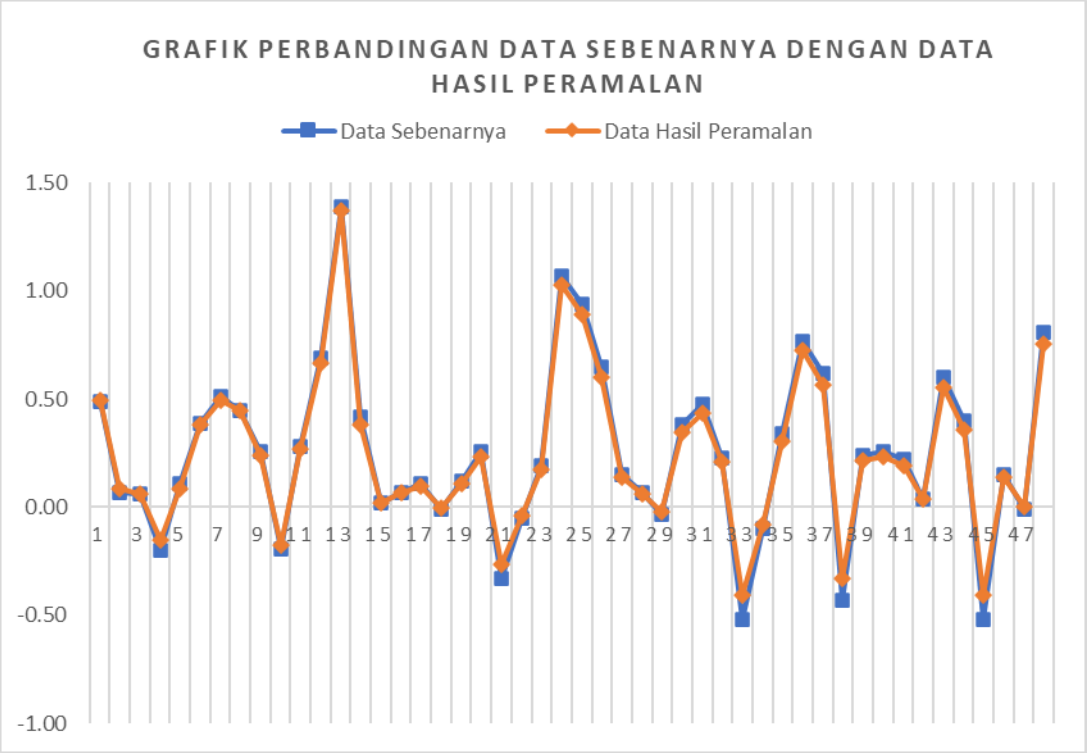
- Model jaringan [8-13-1], jumlah iterasi = 5000, alpha = 0.6, MAPE = 12.11 %



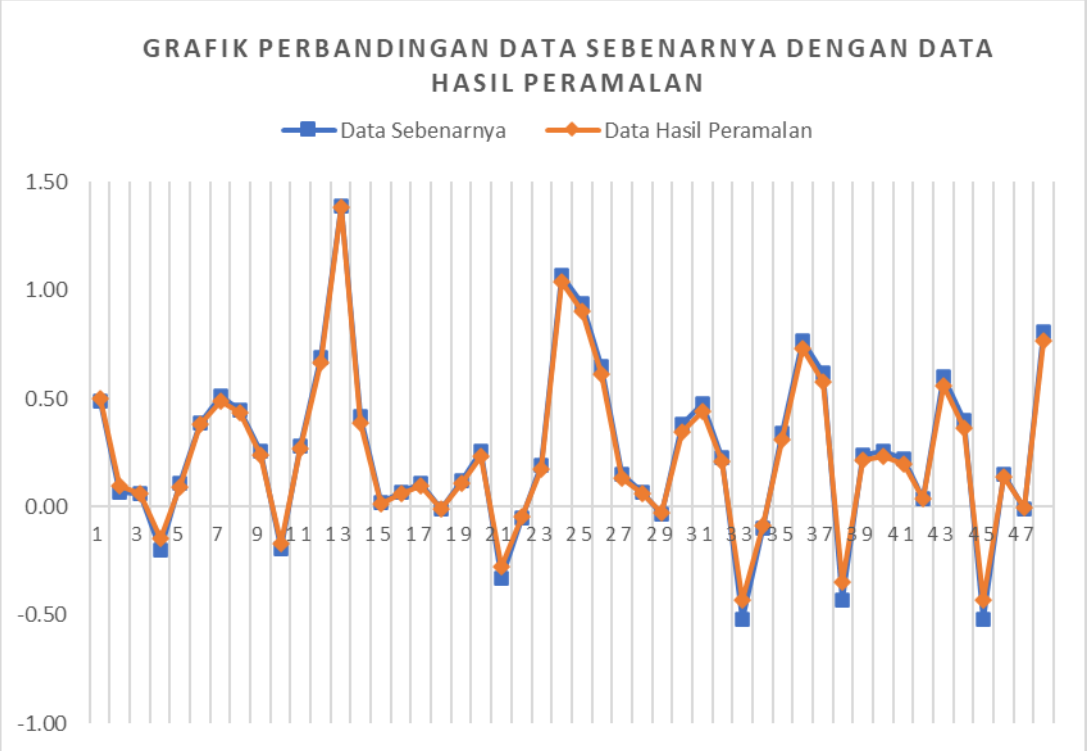
- Model jaringan [8-14-1], jumlah iterasi = 5000, alpha = 0.6, MAPE = 11.56 %



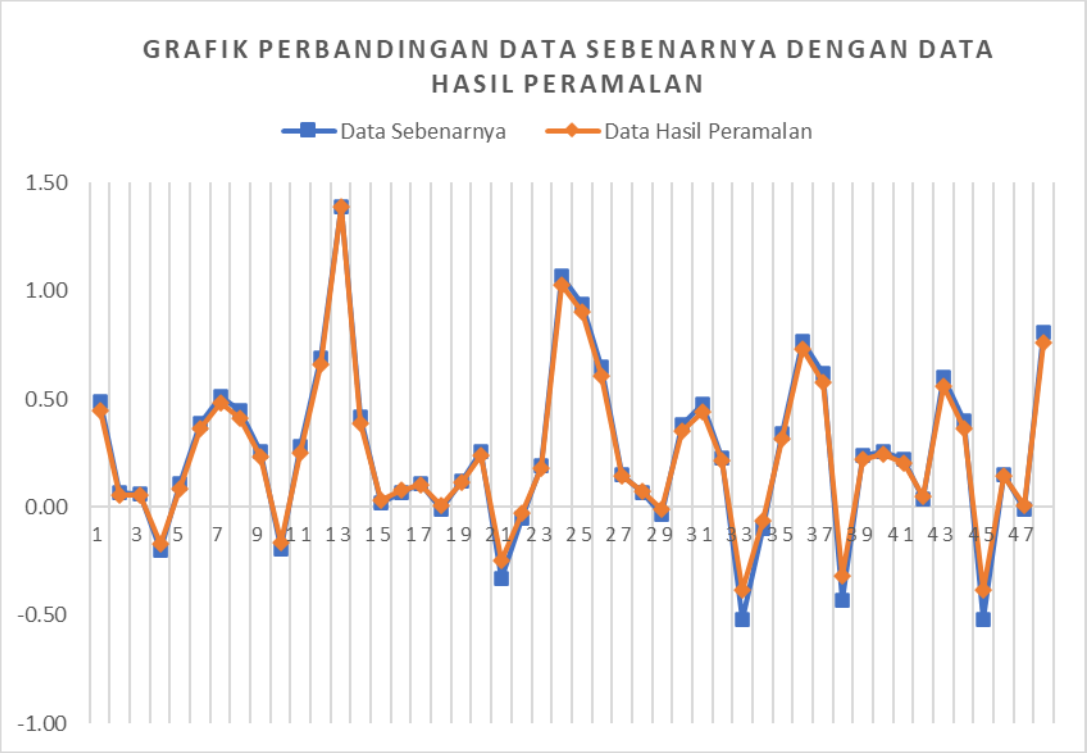
- Model jaringan [8-15-1], jumlah iterasi = 5000, alpha = 0.6, MAPE = 13.29 %



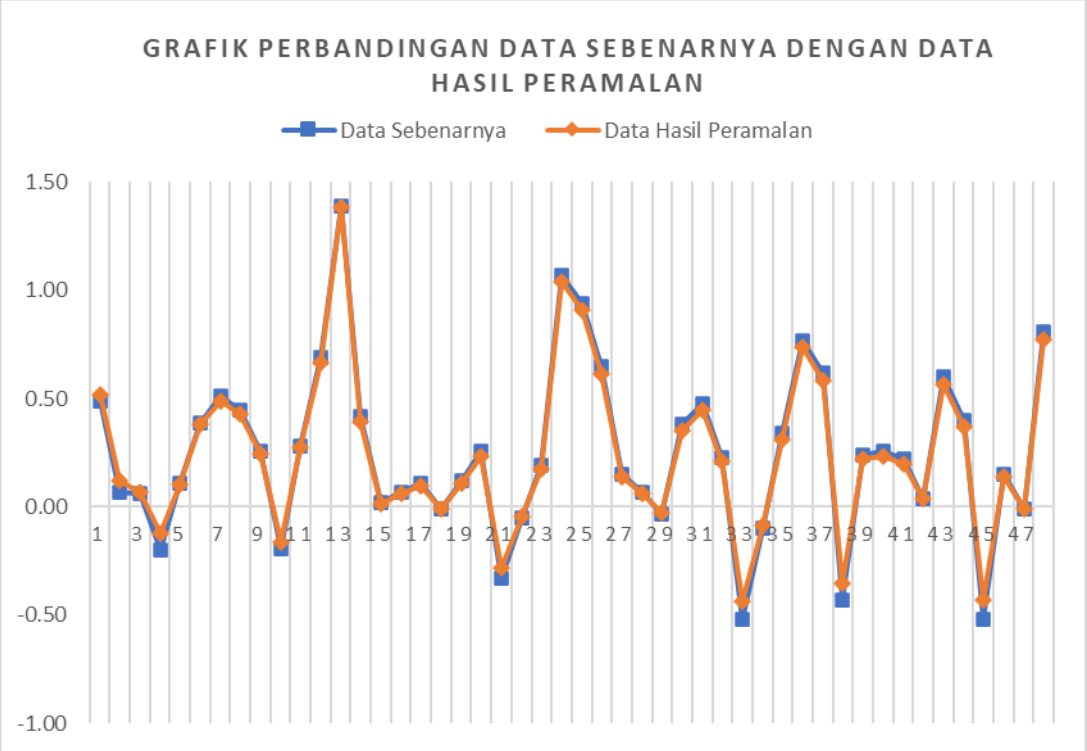
- Model jaringan [8-16-1], jumlah iterasi = 5000, alpha = 0.6, MAPE = 10.67 %



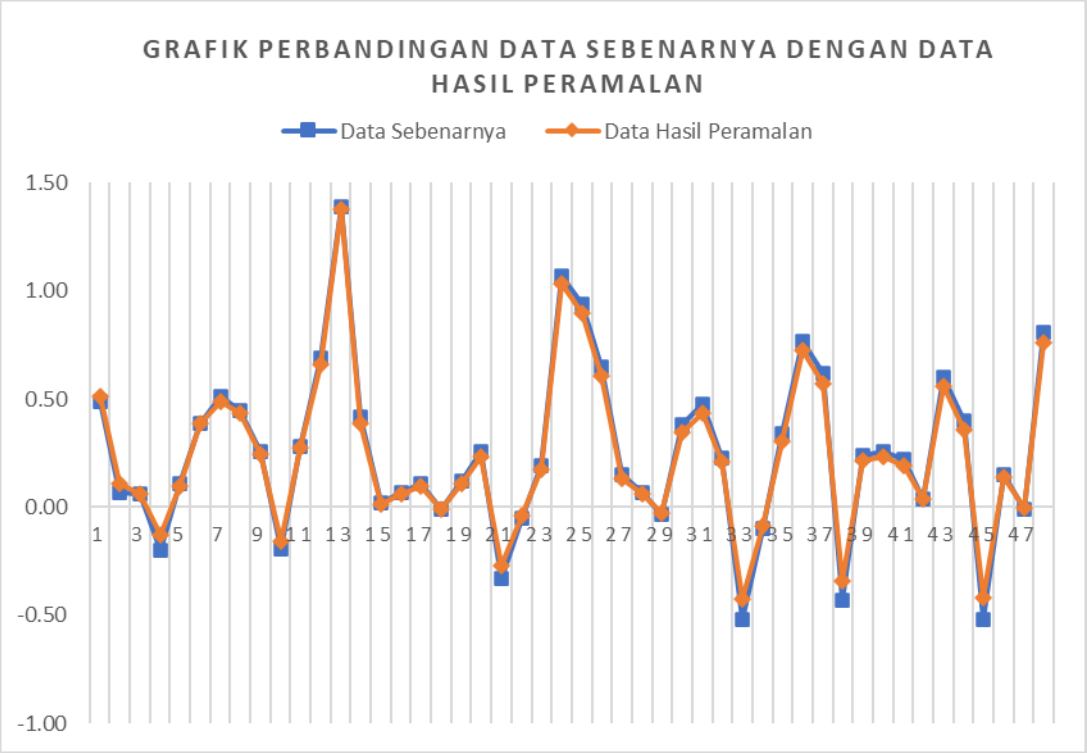
- Model jaringan [8-1-1], jumlah iterasi = 5000, alpha = 0.7, MAPE = 21.58 %



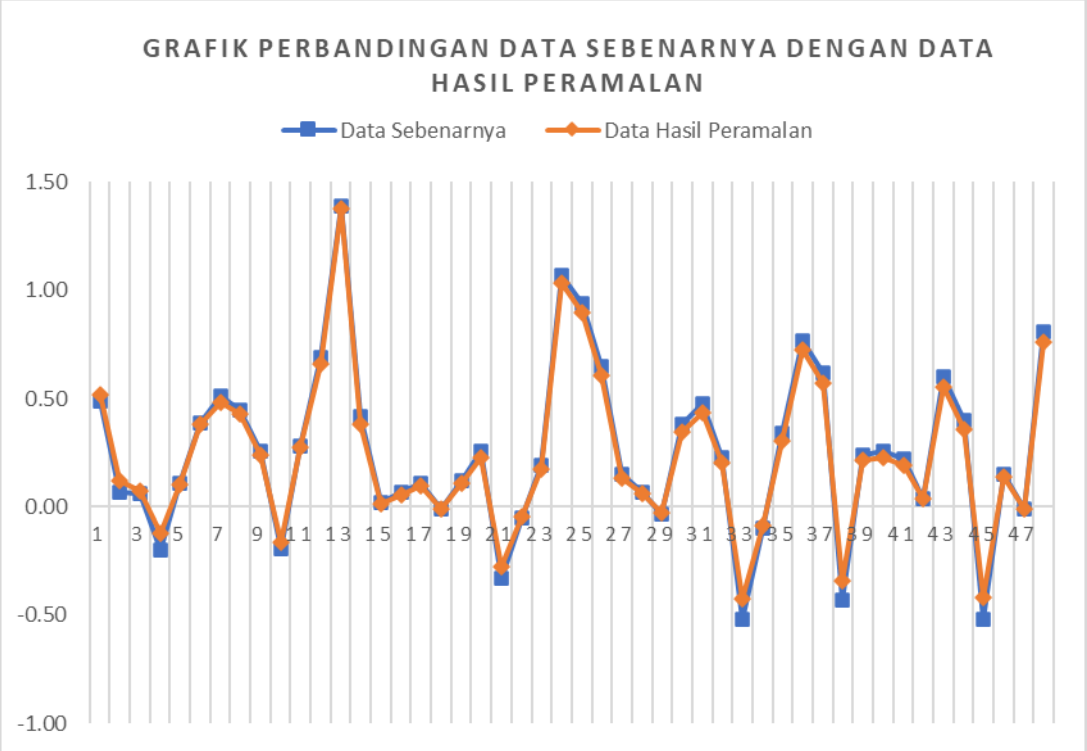
- Model jaringan [8-2-1], jumlah iterasi = 5000, alpha = 0.7, MAPE = 11.12 %



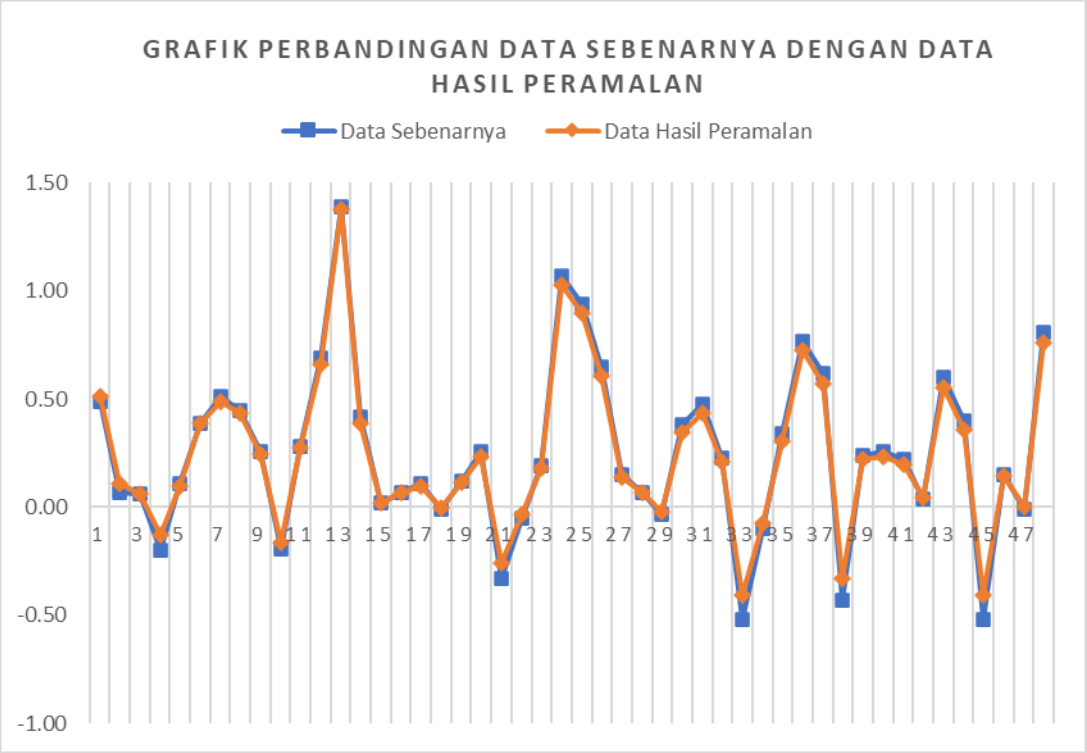
- Model jaringan [8-3-1], jumlah iterasi = 5000, alpha = 0.7, MAPE = 12.46 %



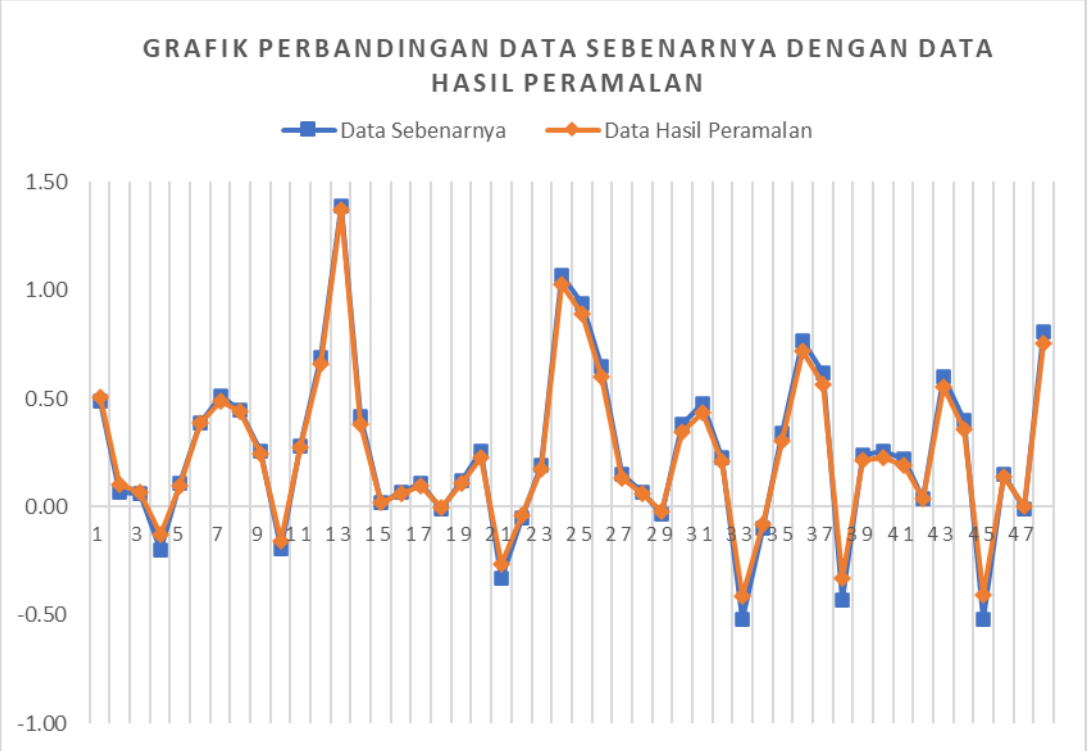
- Model jaringan [8-4-1], jumlah iterasi = 5000, alpha = 0.7, MAPE = 12.98 %



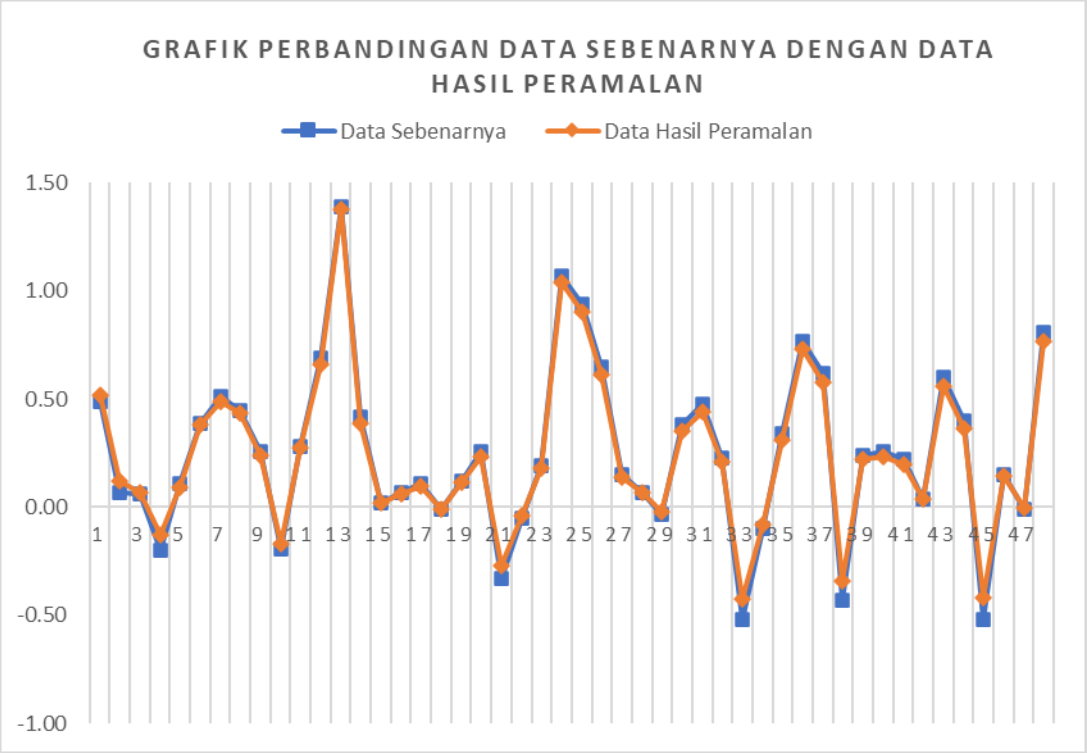
- Model jaringan [8-5-1], jumlah iterasi = 5000, alpha = 0.7, MAPE = 14.72 %



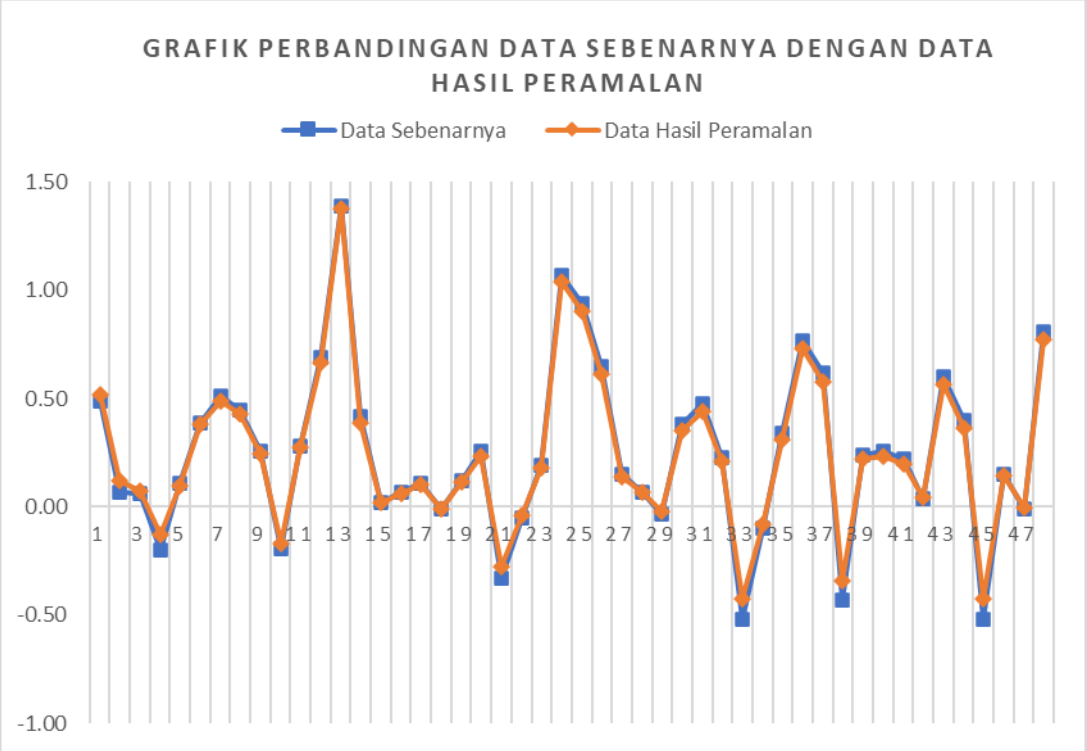
- Model jaringan [8-6-1], jumlah iterasi = 5000, alpha = 0.7, MAPE = 13.83 %



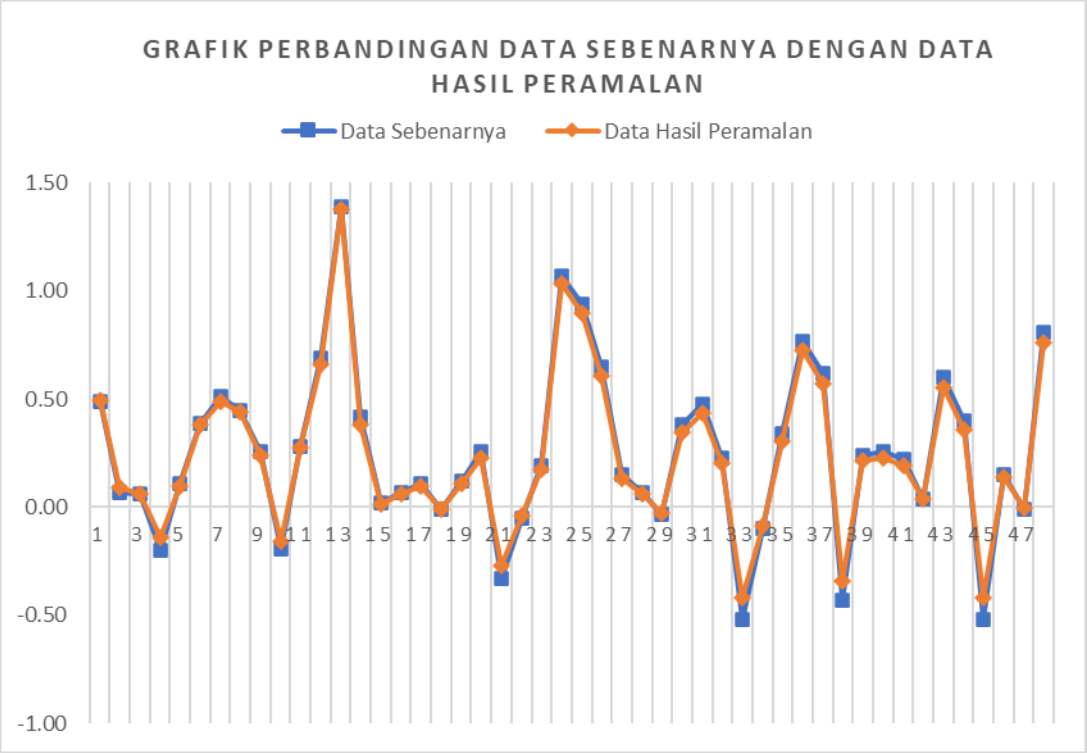
- Model jaringan [8-7-1], jumlah iterasi = 5000, alpha = 0.7, MAPE = 12.91 %



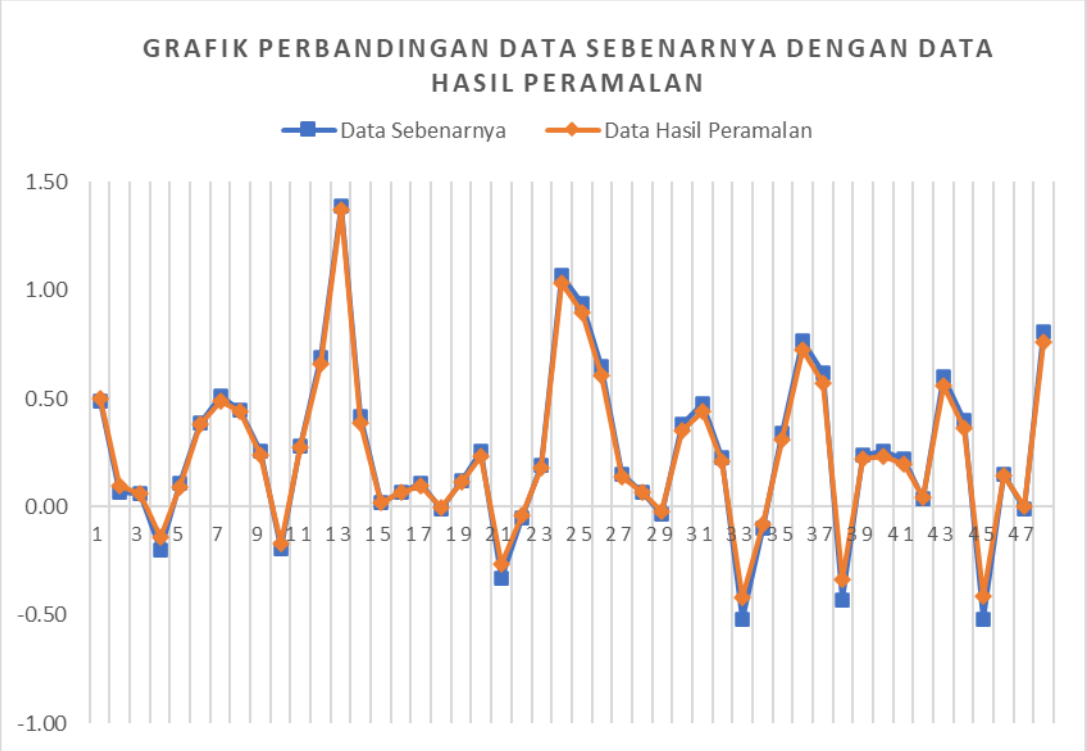
- Model jaringan [8-8-1], jumlah iterasi = 5000, alpha = 0.7 MAPE = 12.69 %



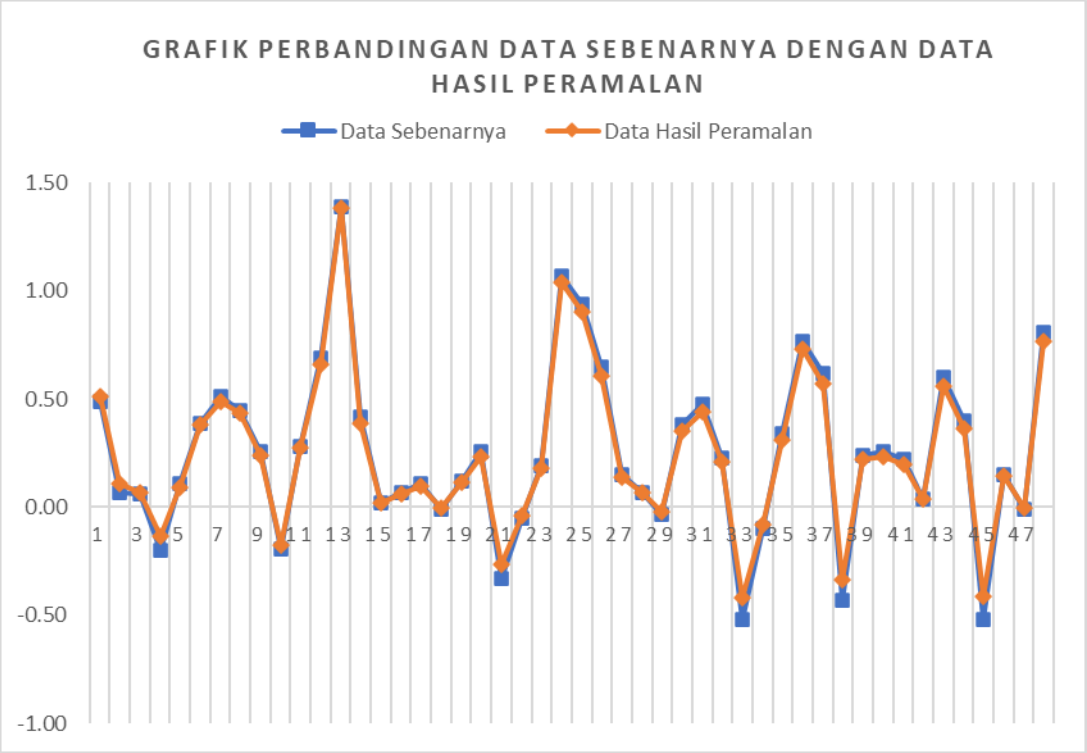
- Model jaringan [8-9-1], jumlah iterasi = 5000, alpha = 0.7, MAPE = 11.73 %



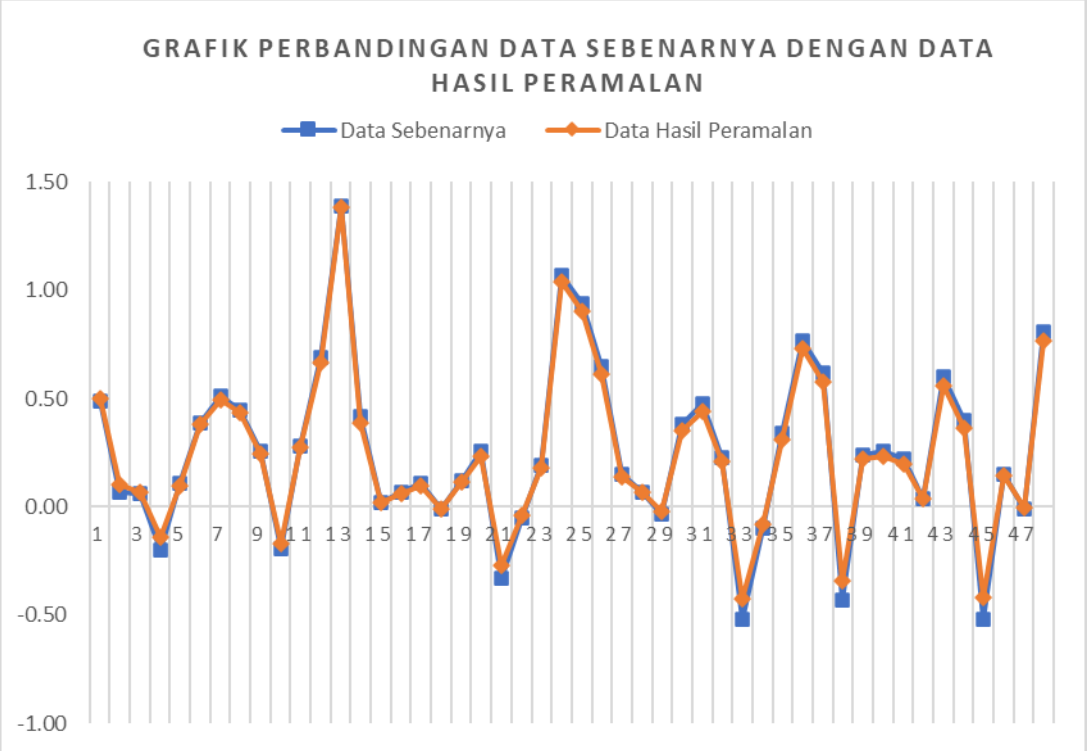
- Model jaringan [8-10-1], jumlah iterasi = 5000, alpha = 0.7, MAPE = 13.57 %



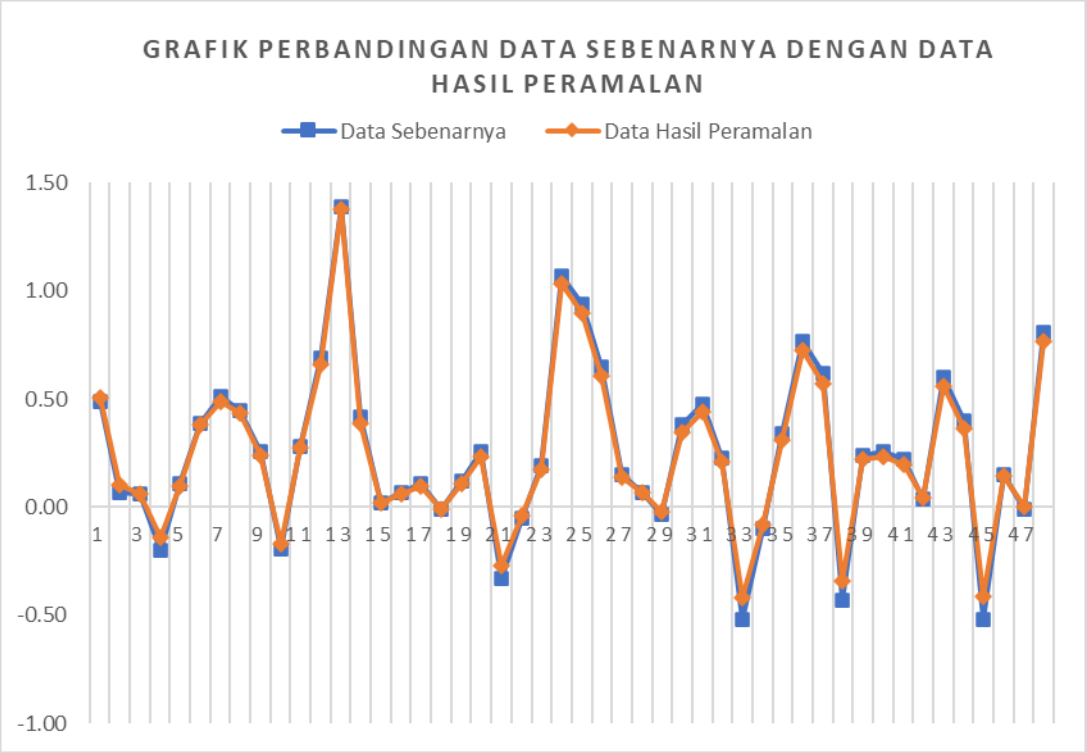
- Model jaringan [8-11-1], jumlah iterasi = 5000, alpha = 0.7, MAPE = 13.04 %



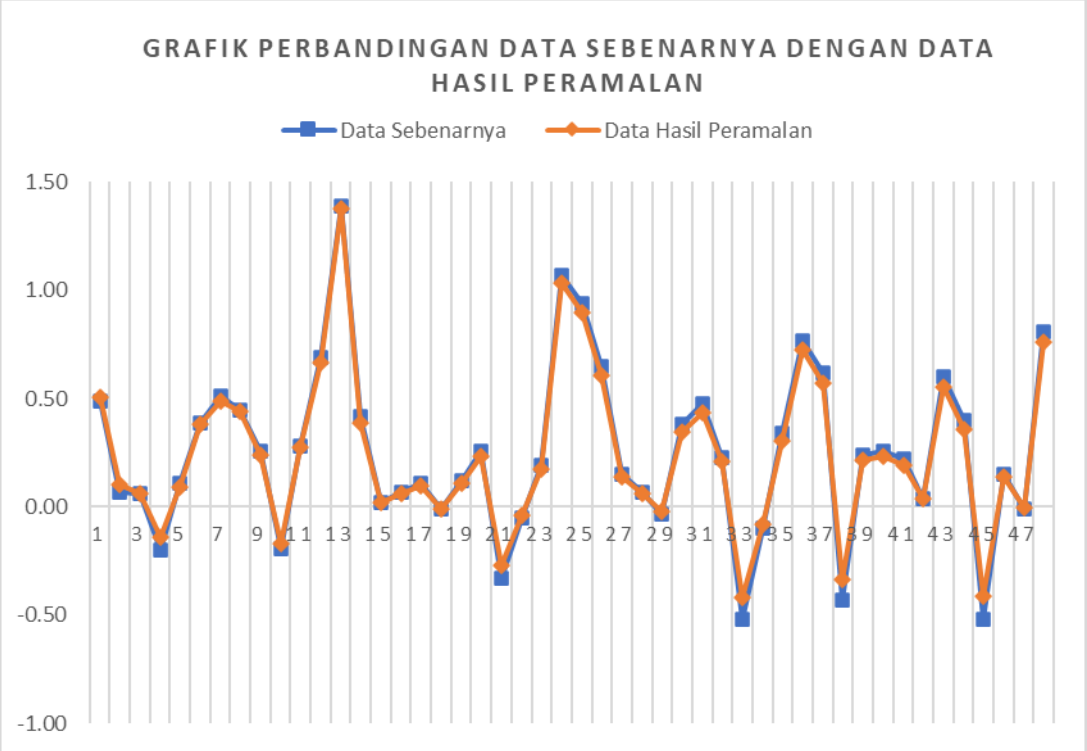
- Model jaringan [8-12-1], jumlah iterasi = 5000, alpha = 0.7, MAPE = 11.99 %



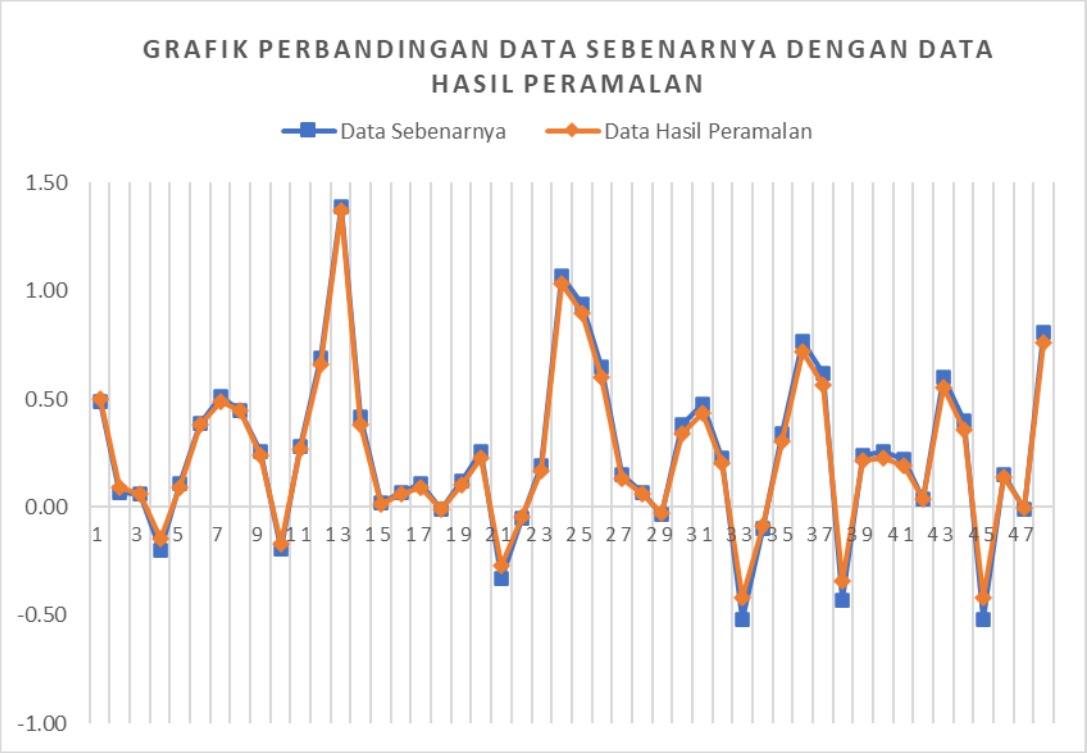
- Model jaringan [8-13-1], jumlah iterasi = 5000, alpha = 0.7, MAPE = 12.89 %



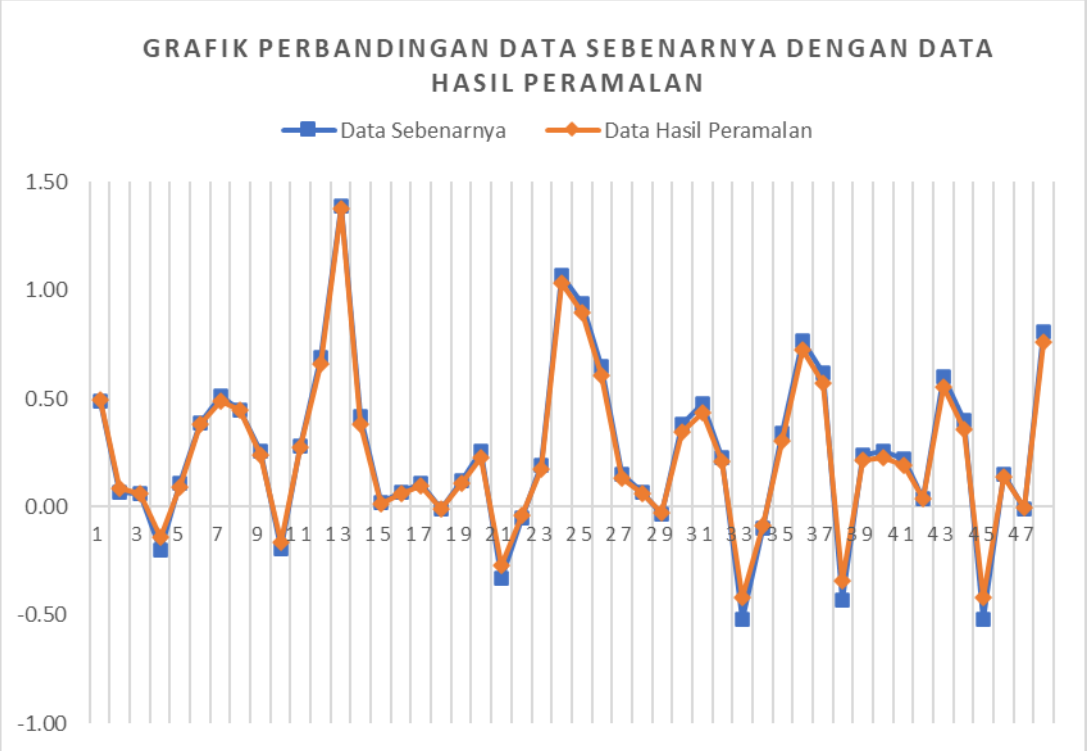
- Model jaringan [8-14-1], jumlah iterasi = 5000, alpha = 0.7, MAPE = 12.85 %



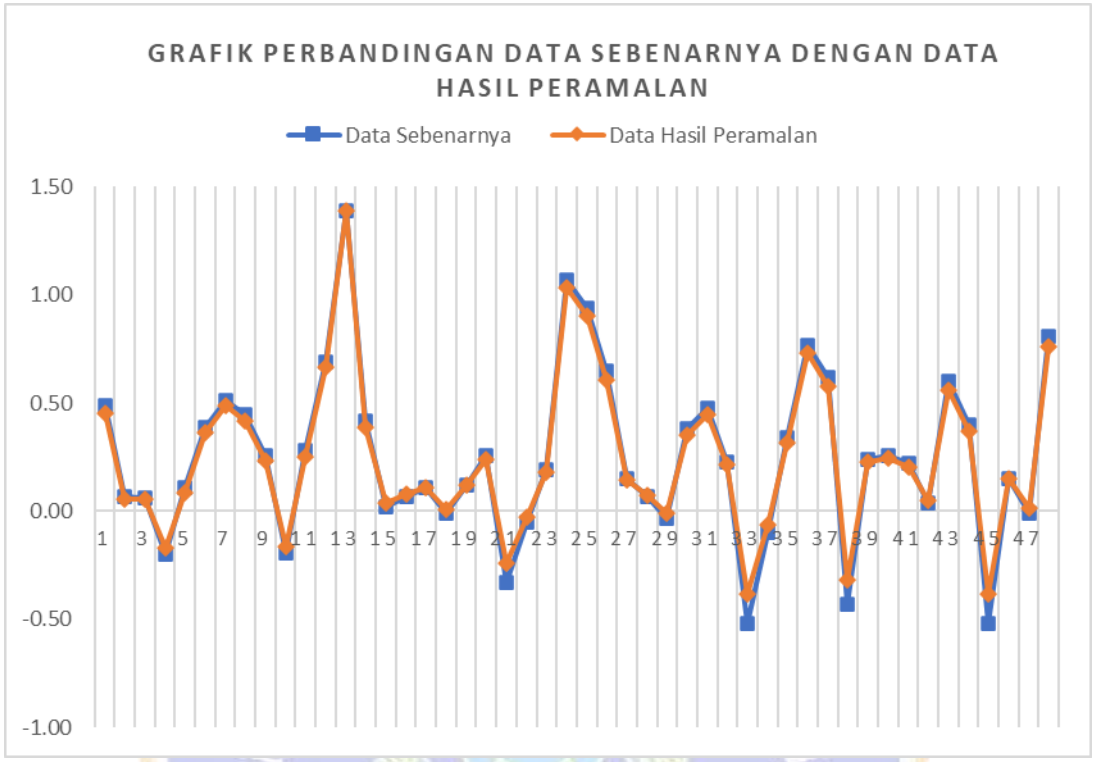
- Model jaringan [8-15-1], jumlah iterasi = 5000, alpha = 0.7, MAPE = 11.85 %



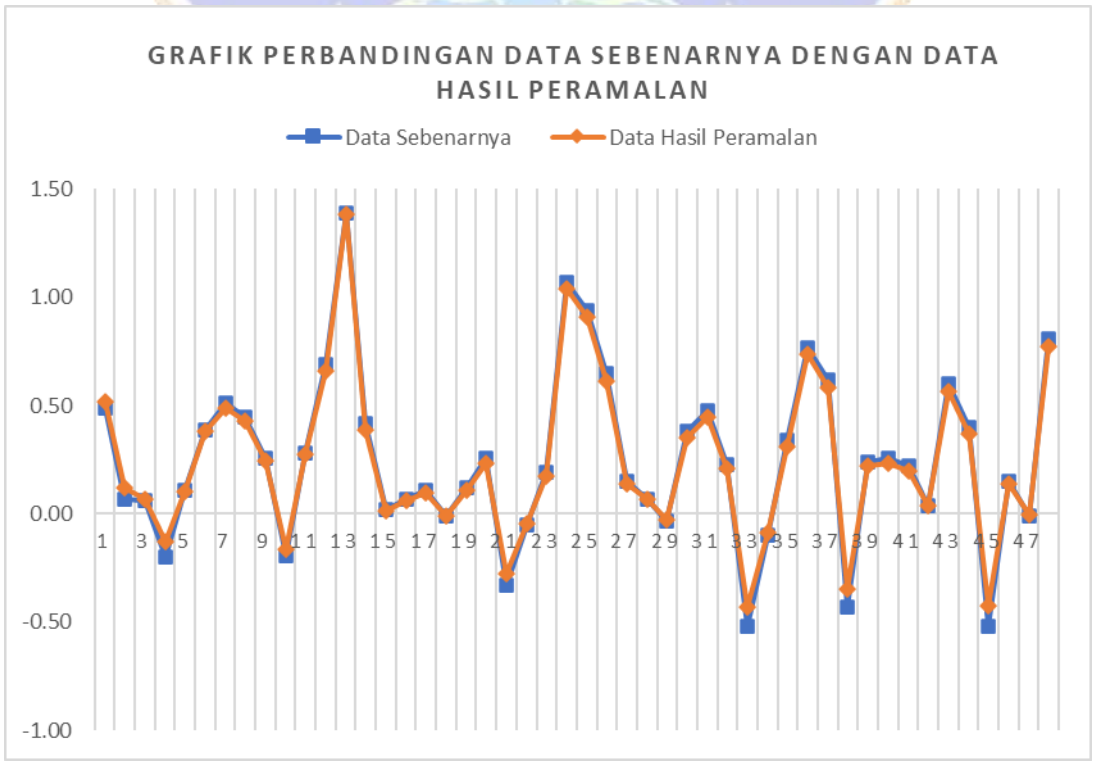
- Model jaringan [8-16-1], jumlah iterasi = 5000, alpha = 0.7, MAPE = 11.89 %



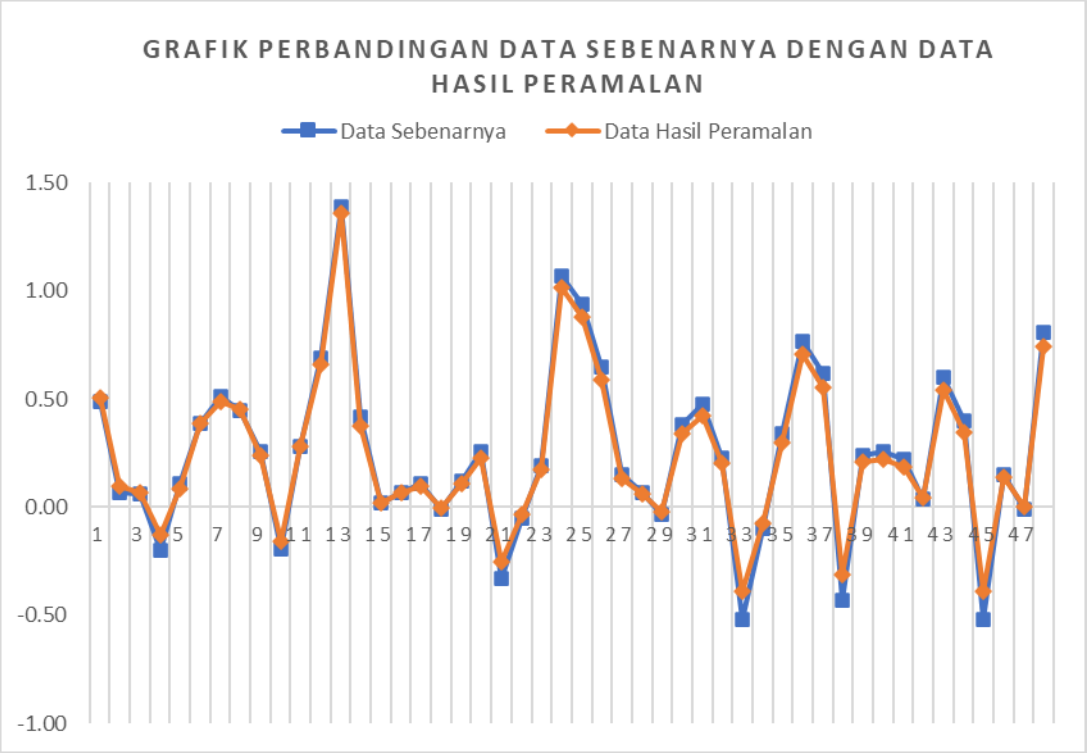
- Model jaringan [8-1-1], jumlah iterasi = 5000, alpha = 0.8, MAPE = 22.23 %



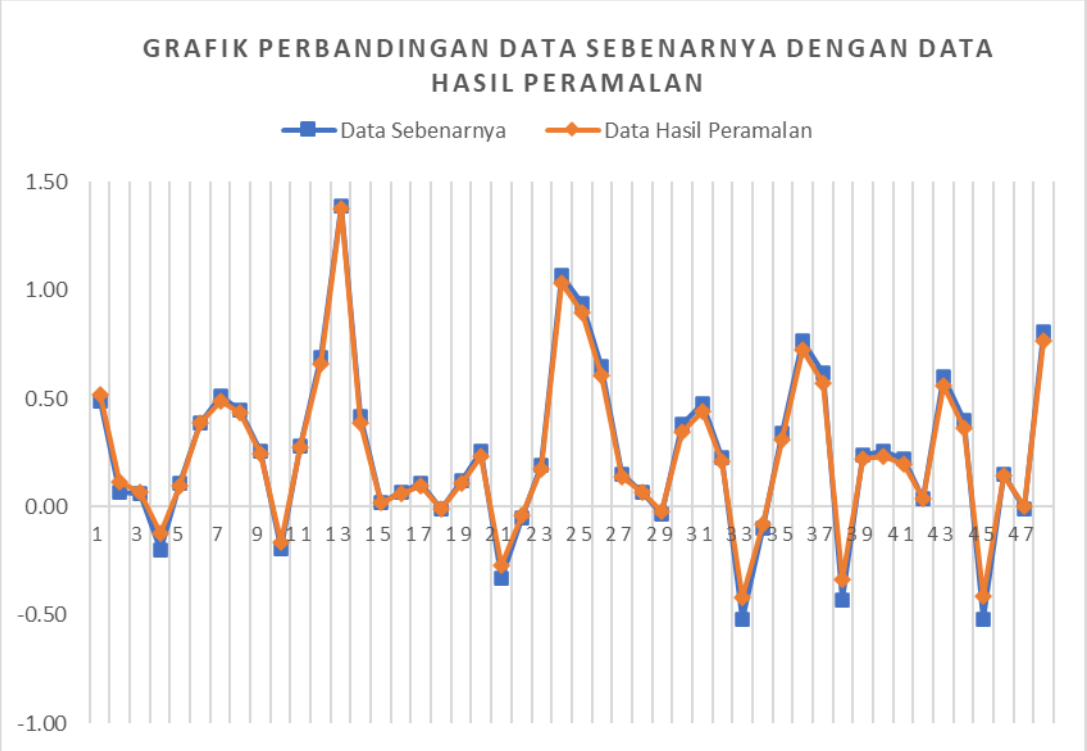
- Model jaringan [8-2-1], jumlah iterasi = 5000, alpha = 0.8, MAPE = 11.45 %



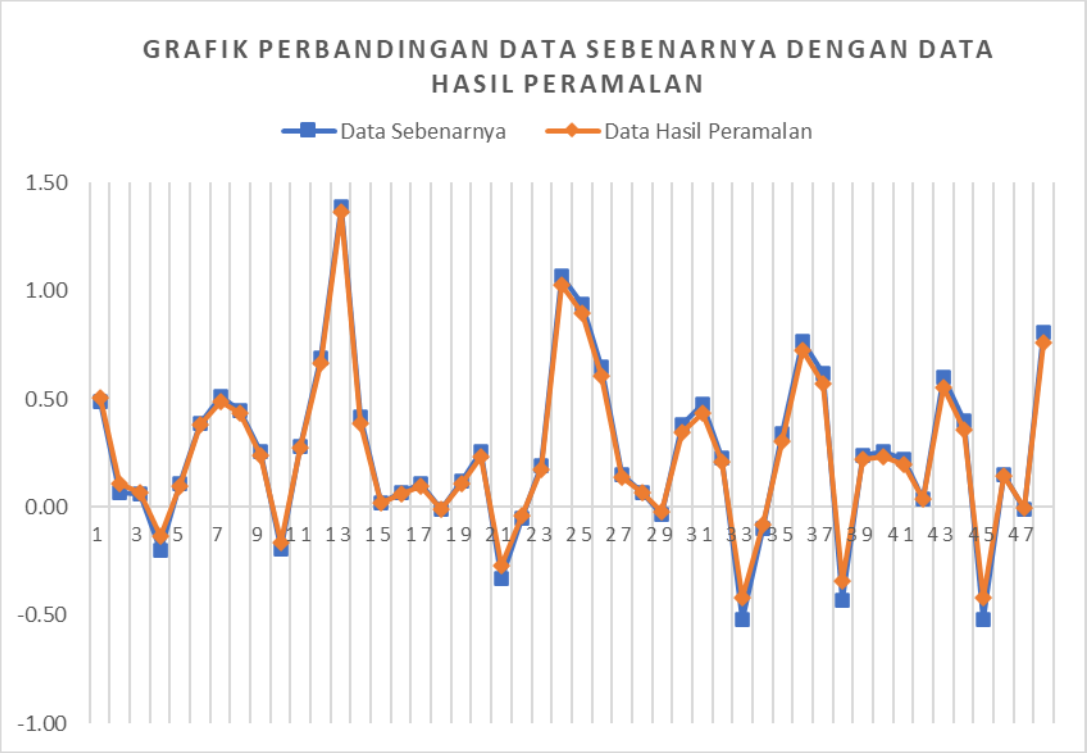
- Model jaringan [8-3-1], jumlah iterasi = 5000, alpha = 0.8, MAPE = 17.19 %



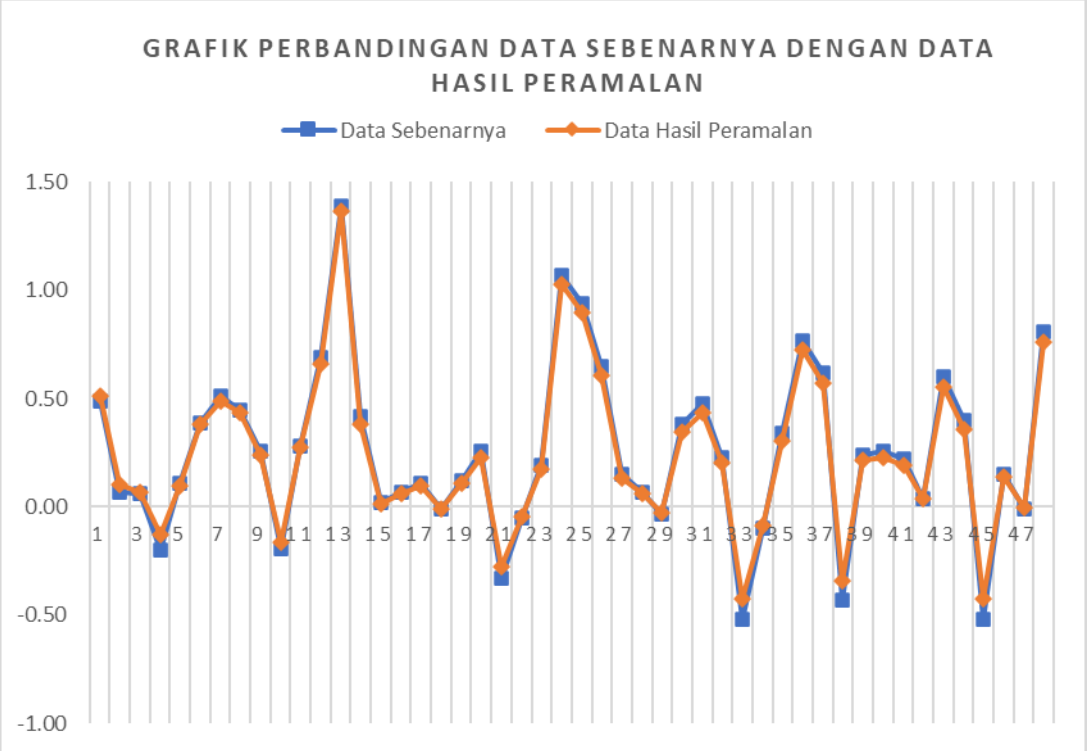
- Model jaringan [8-4-1], jumlah iterasi = 5000, alpha = 0.8, MAPE = 13.34 %



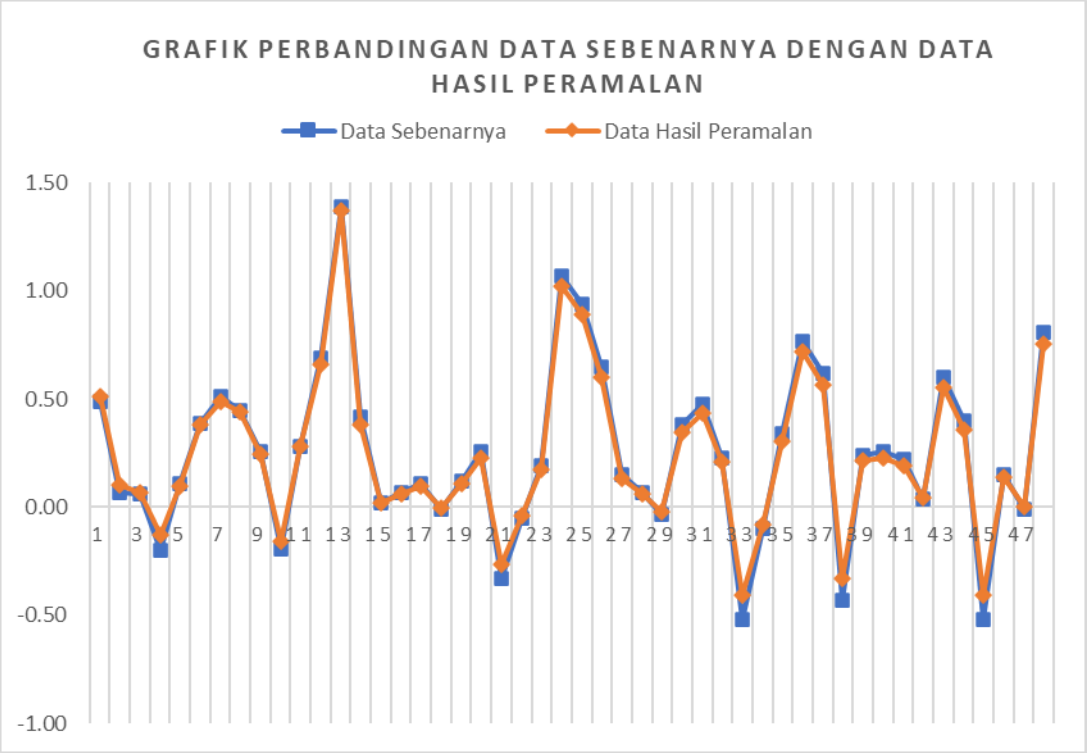
- Model jaringan [8-5-1], jumlah iterasi = 5000, alpha = 0.8, MAPE = 13.05 %



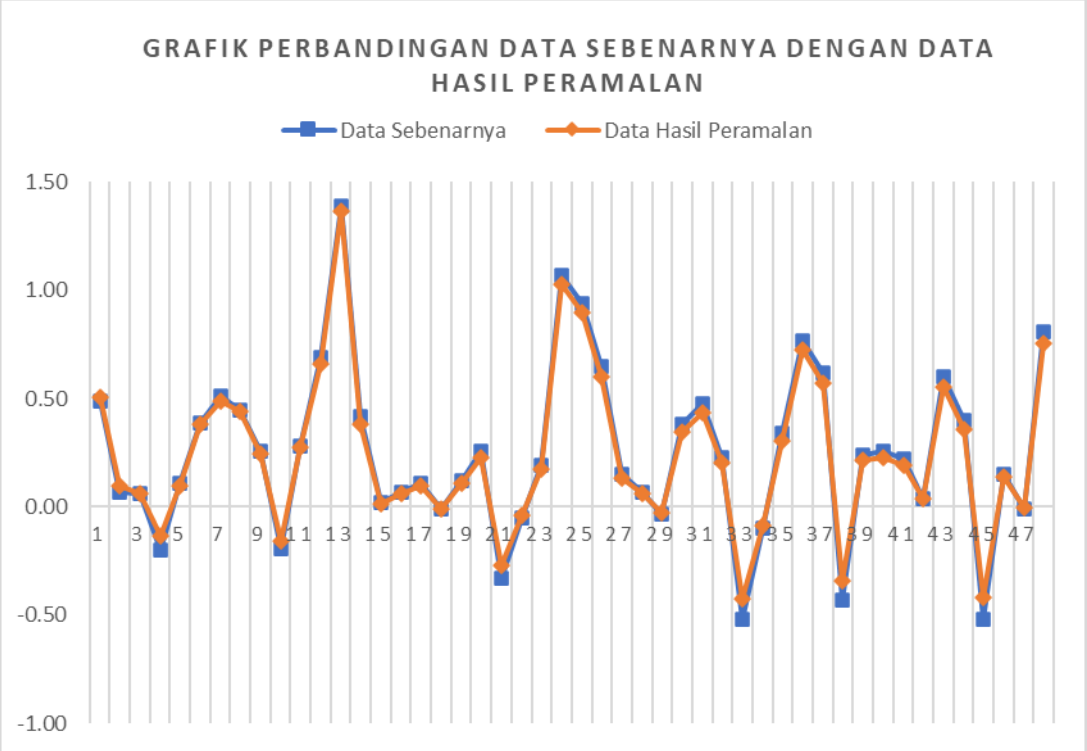
- Model jaringan [8-6-1], jumlah iterasi = 5000, alpha = 0.8, MAPE = 12.17 %



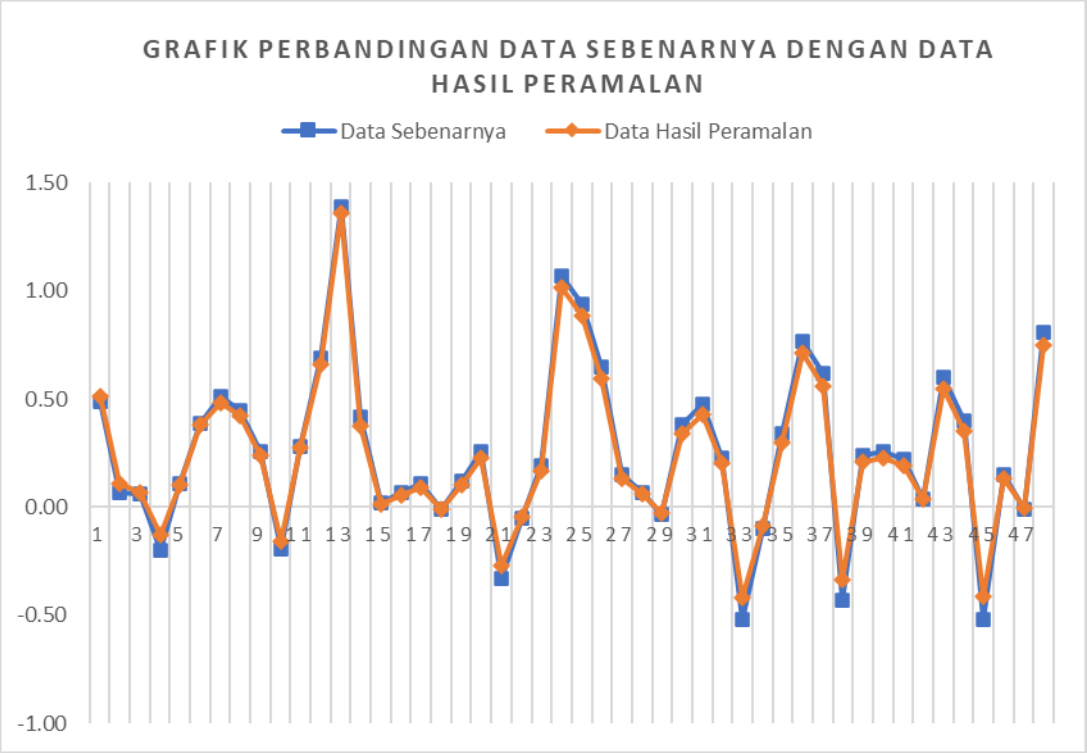
- Model jaringan [8-7-1], jumlah iterasi = 5000, alpha = 0.8, MAPE = 14.48 %



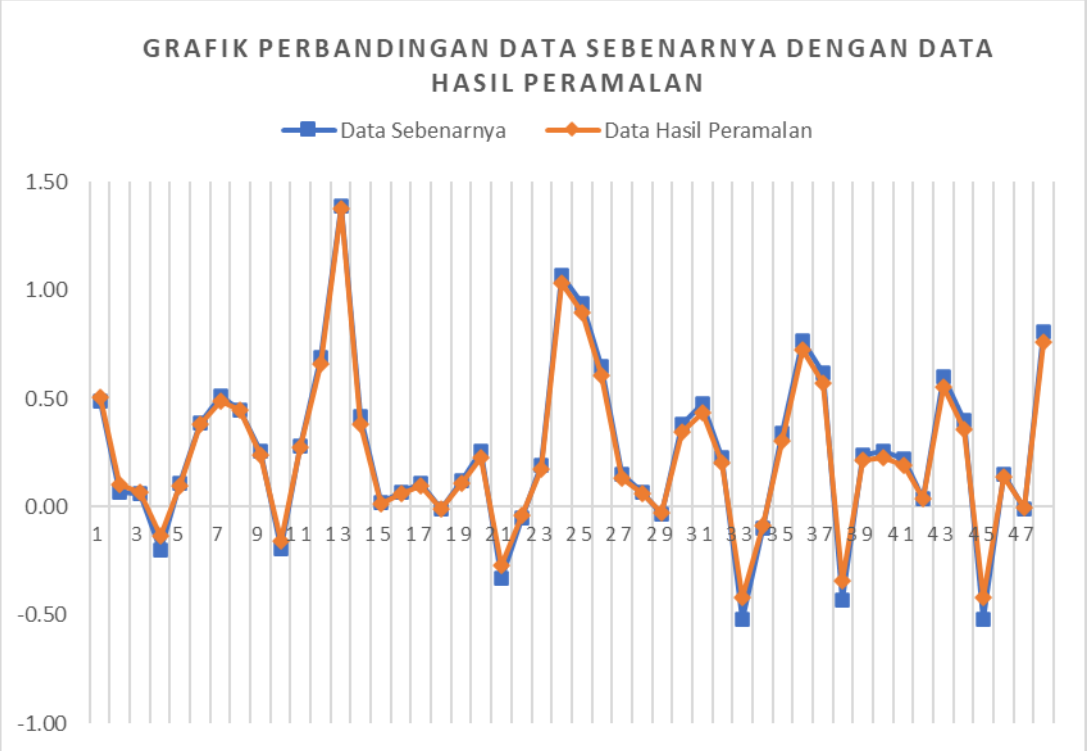
- Model jaringan [8-8-1], jumlah iterasi = 5000, alpha = 0.8, MAPE = 12.01 %



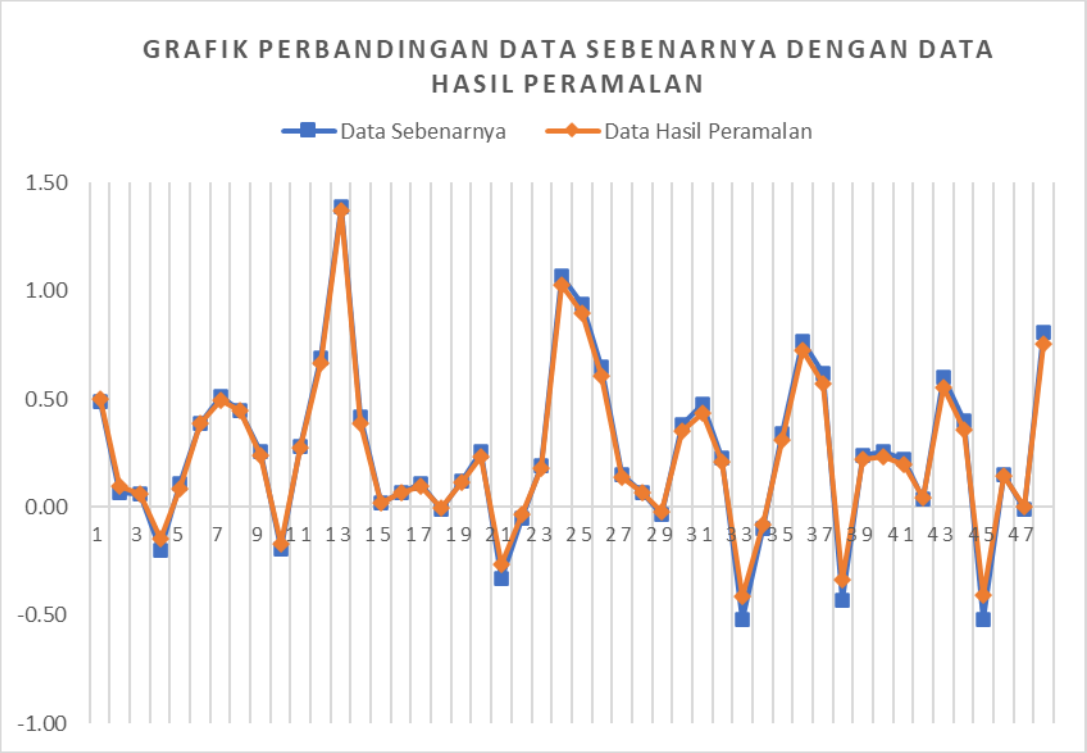
- Model jaringan [8-9-1], jumlah iterasi = 5000, alpha = 0.8, MAPE = 13.53 %



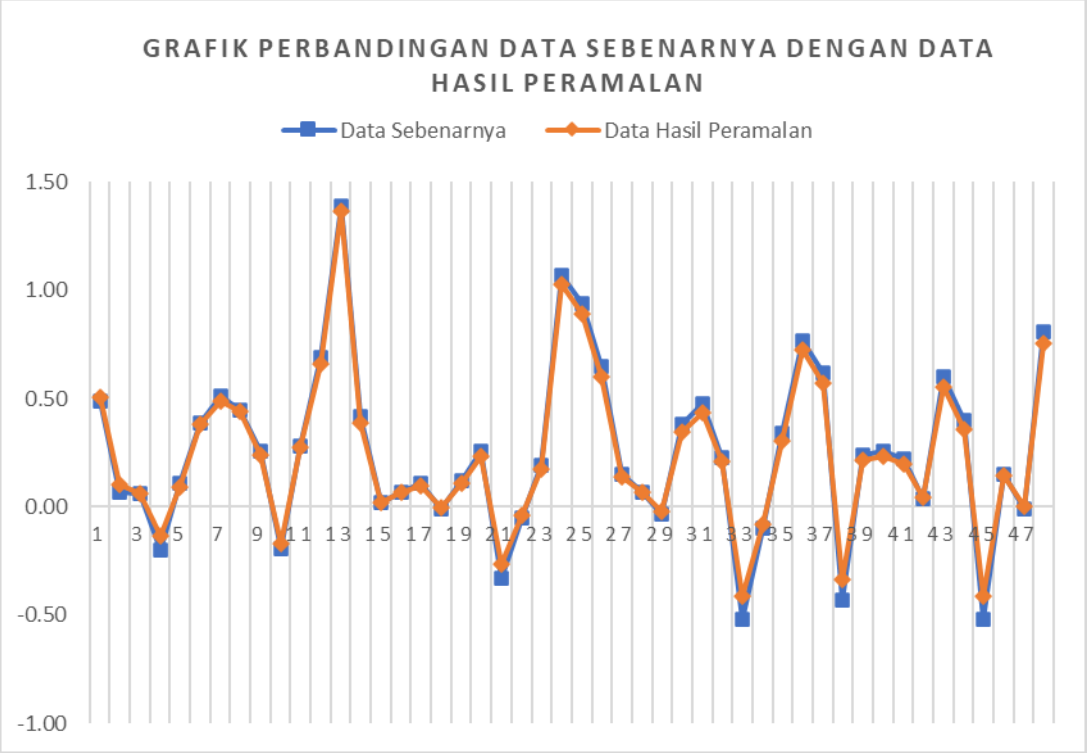
- Model jaringan [8-10-1], jumlah iterasi = 5000, alpha = 0.8, MAPE = 12.35 %



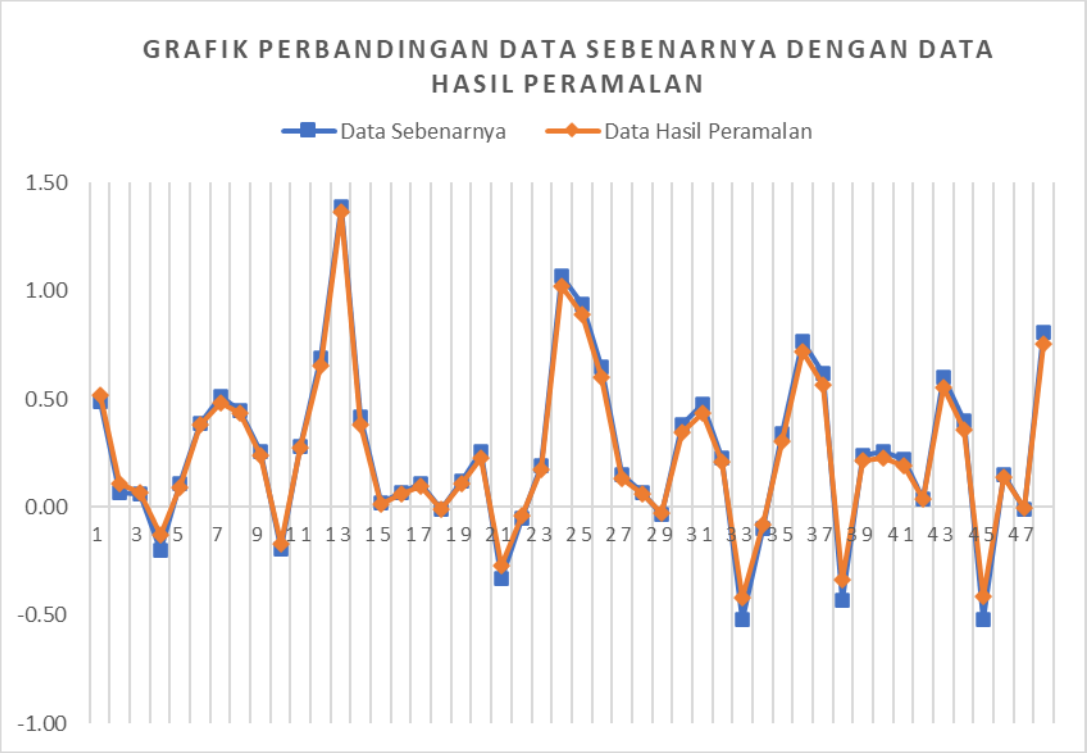
- Model jaringan [8-11-1], jumlah iterasi = 5000, alpha = 0.8, MAPE = 14.06 %



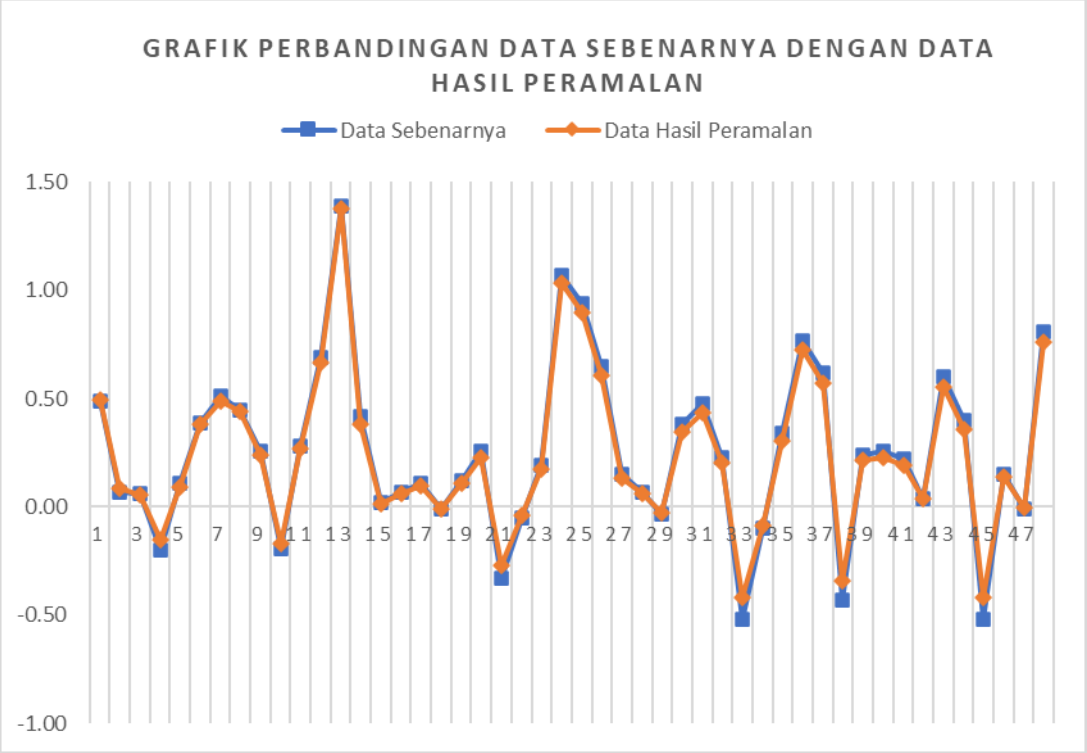
- Model jaringan [8-12-1], jumlah iterasi = 5000, alpha = 0.8, MAPE = 13.65 %



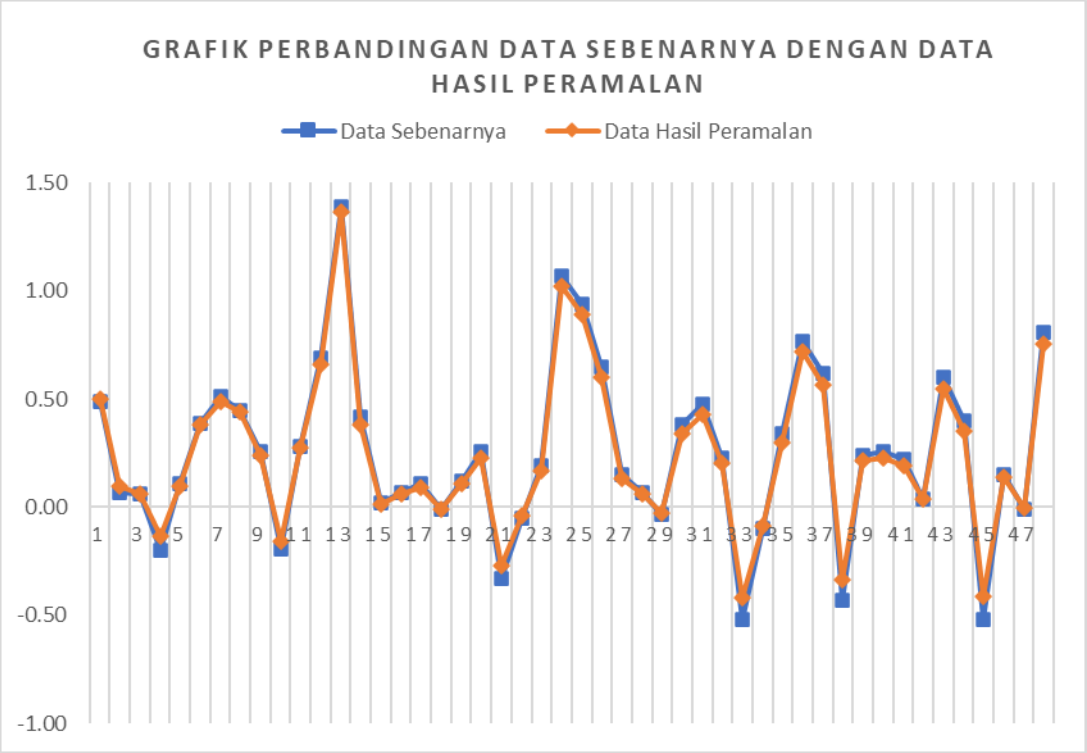
- Model jaringan [8-13-1], jumlah iterasi = 5000, alpha = 0.8, MAPE = 13.58 %



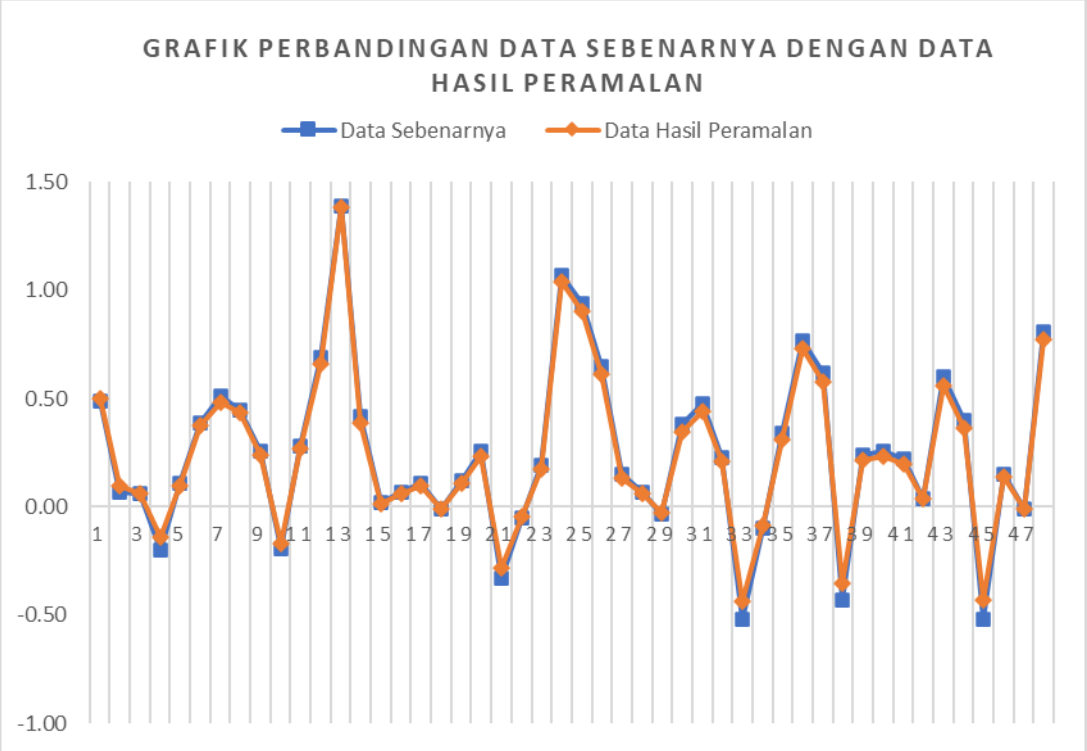
- Model jaringan [8-14-1], jumlah iterasi = 5000, alpha = 0.8, MAPE = 11.45 %



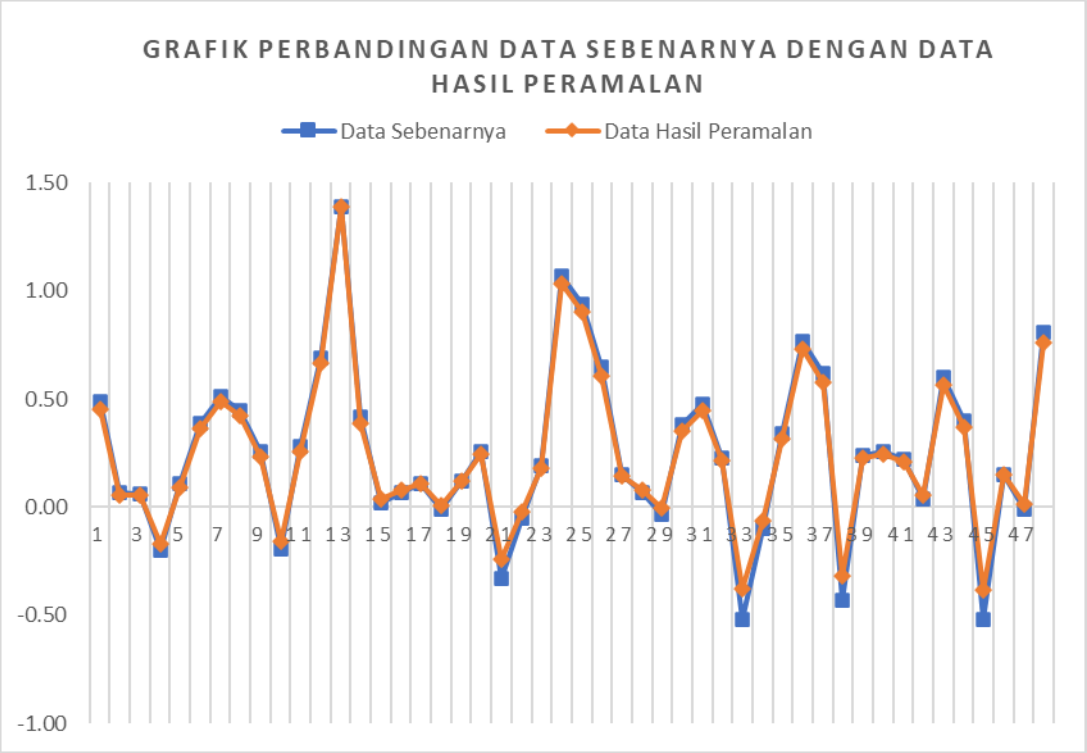
- Model jaringan [8-15-1], jumlah iterasi = 5000, alpha = 0.8, MAPE = 12.50 %



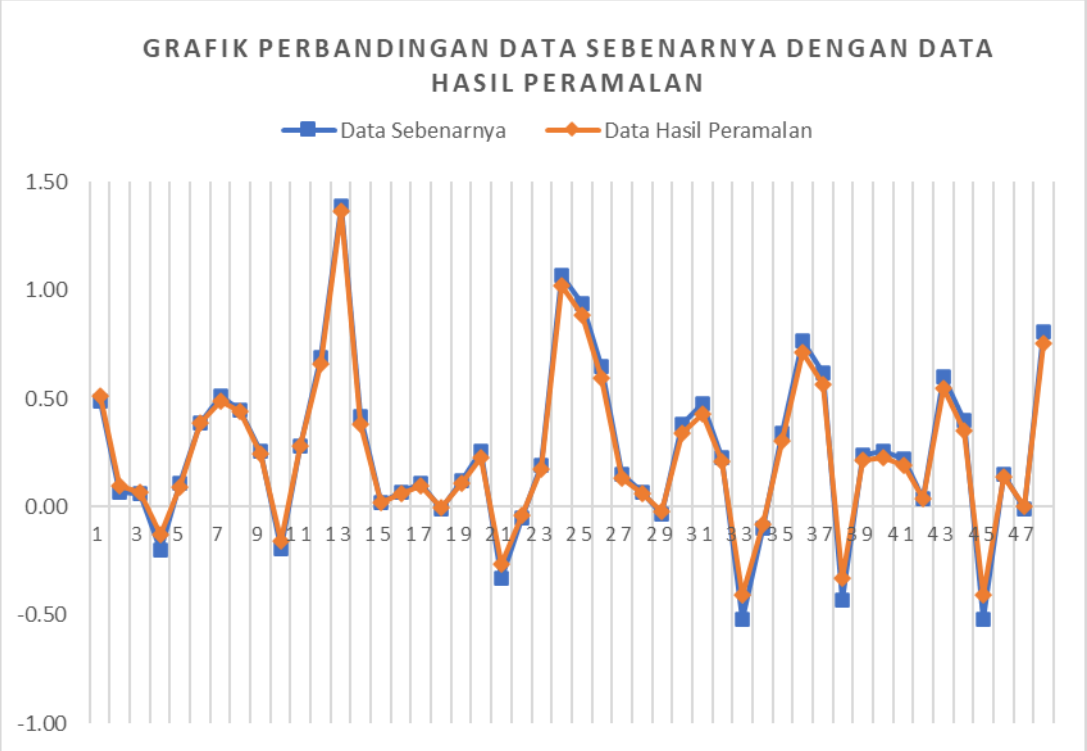
- Model jaringan [8-16-1], jumlah iterasi = 5000, alpha = 0.8, MAPE = 10.83 %



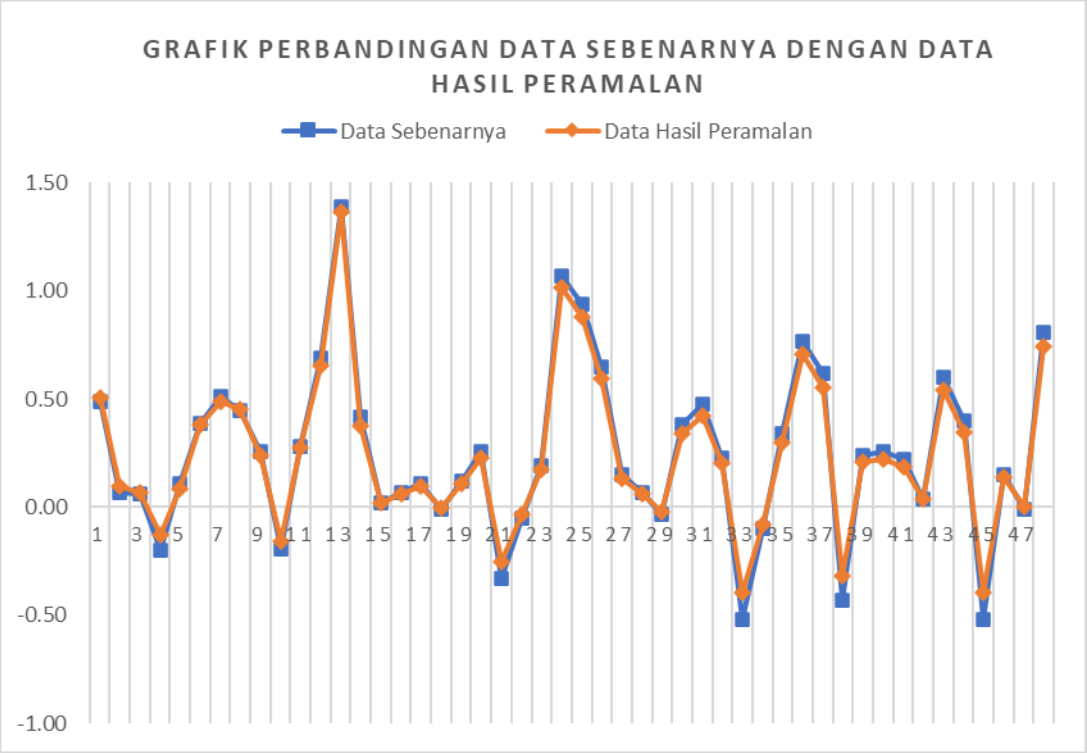
- Model jaringan [8-1-1], jumlah iterasi = 5000, alpha = 0.9, MAPE = 22.92 %



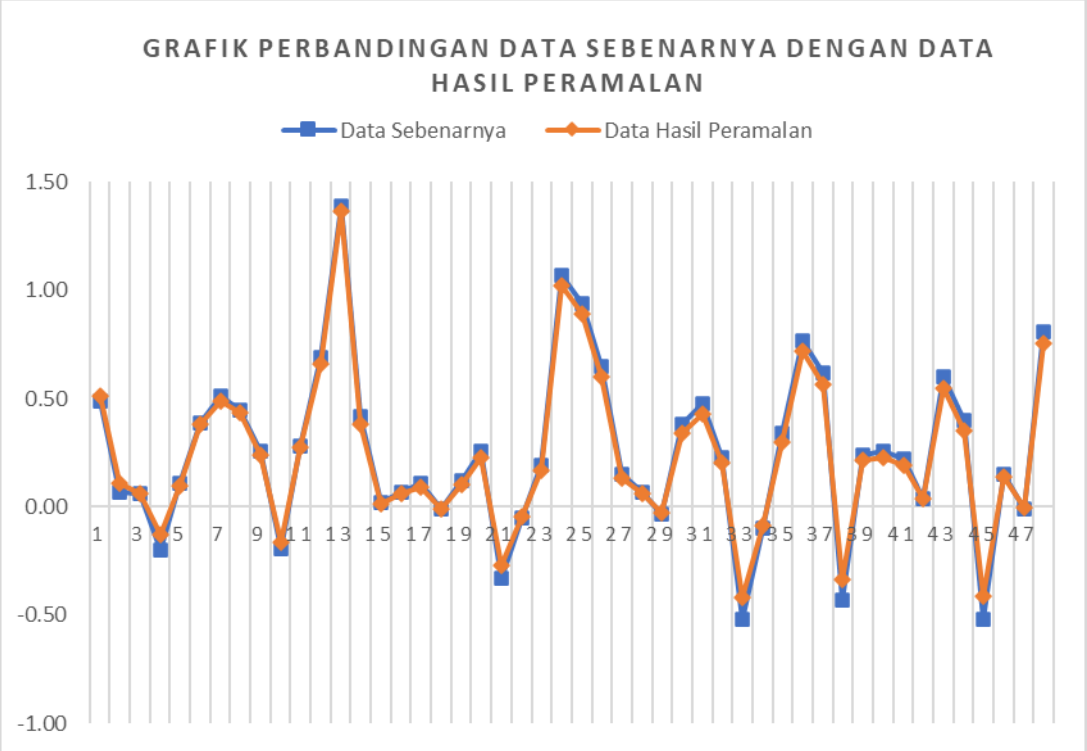
- Model jaringan [8-2-1], jumlah iterasi = 5000, alpha = 0.9, MAPE = 14.68 %



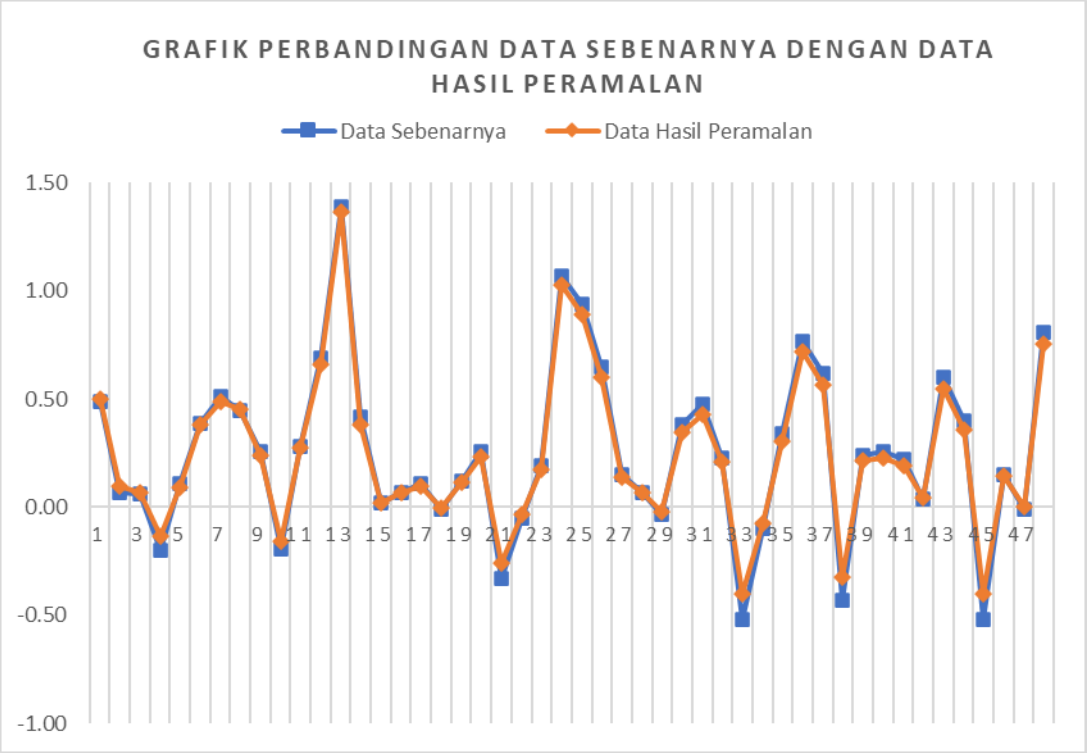
- Model jaringan [8-3-1], jumlah iterasi = 5000, alpha = 0.9, MAPE = 16.07 %



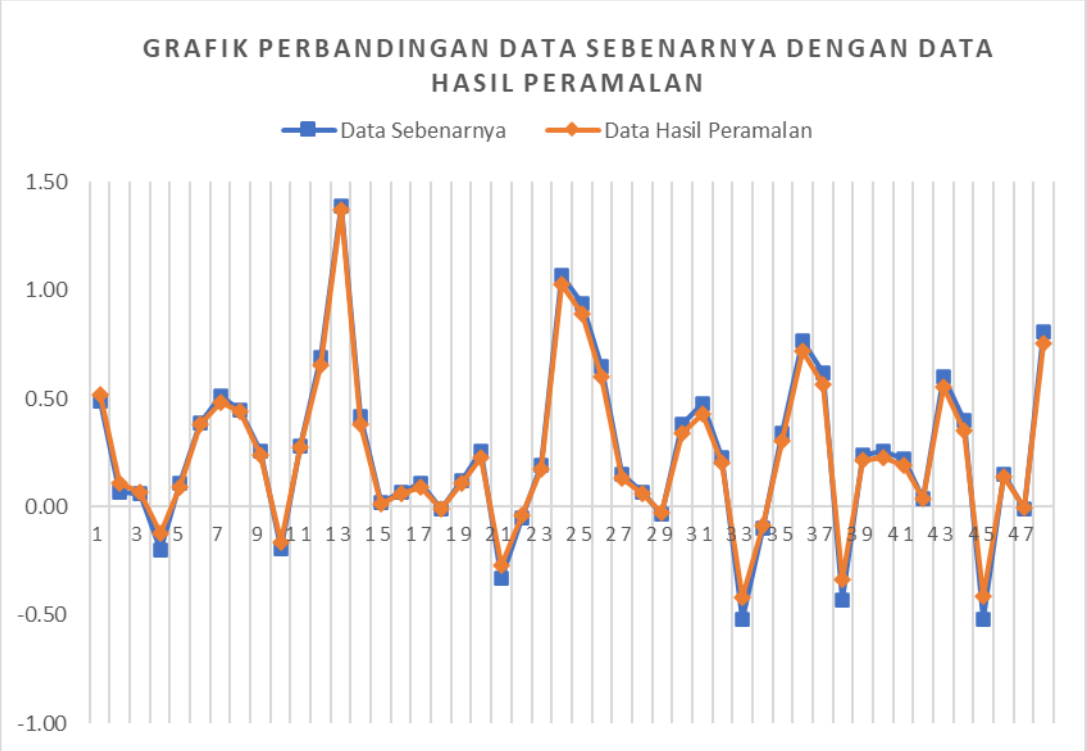
- Model jaringan [8-4-1], jumlah iterasi = 5000, alpha = 0.9, MAPE = 13.12 %



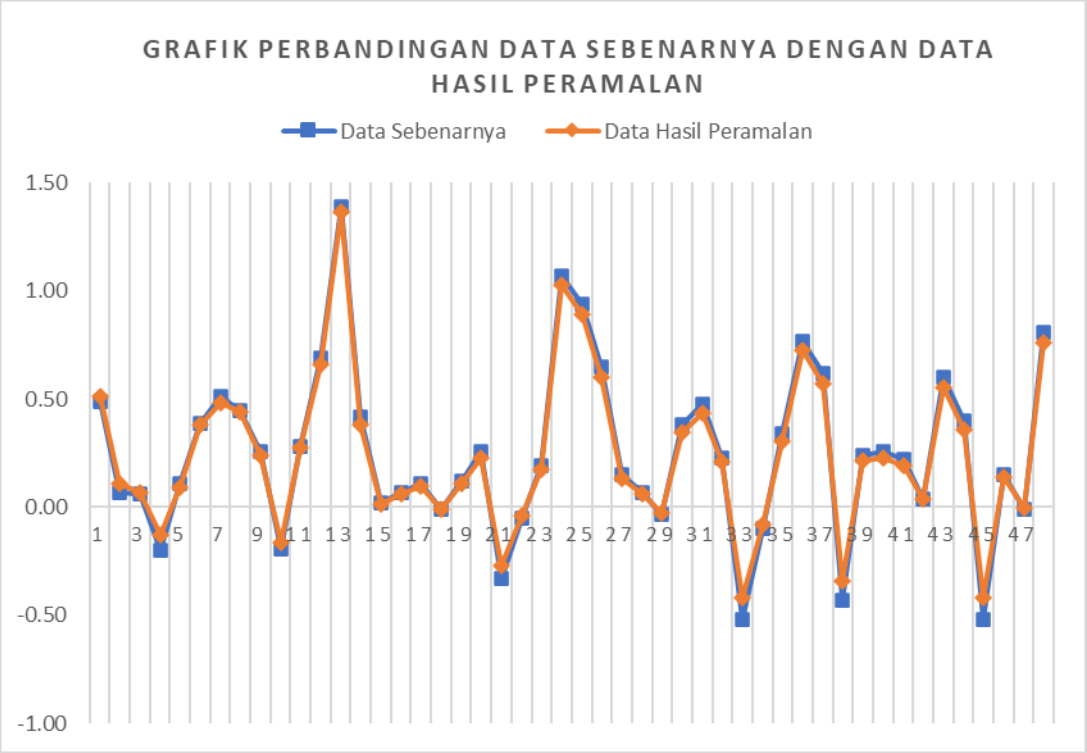
- Model jaringan [8-5-1], jumlah iterasi = 5000, alpha = 0.9, MAPE = 15.97 %



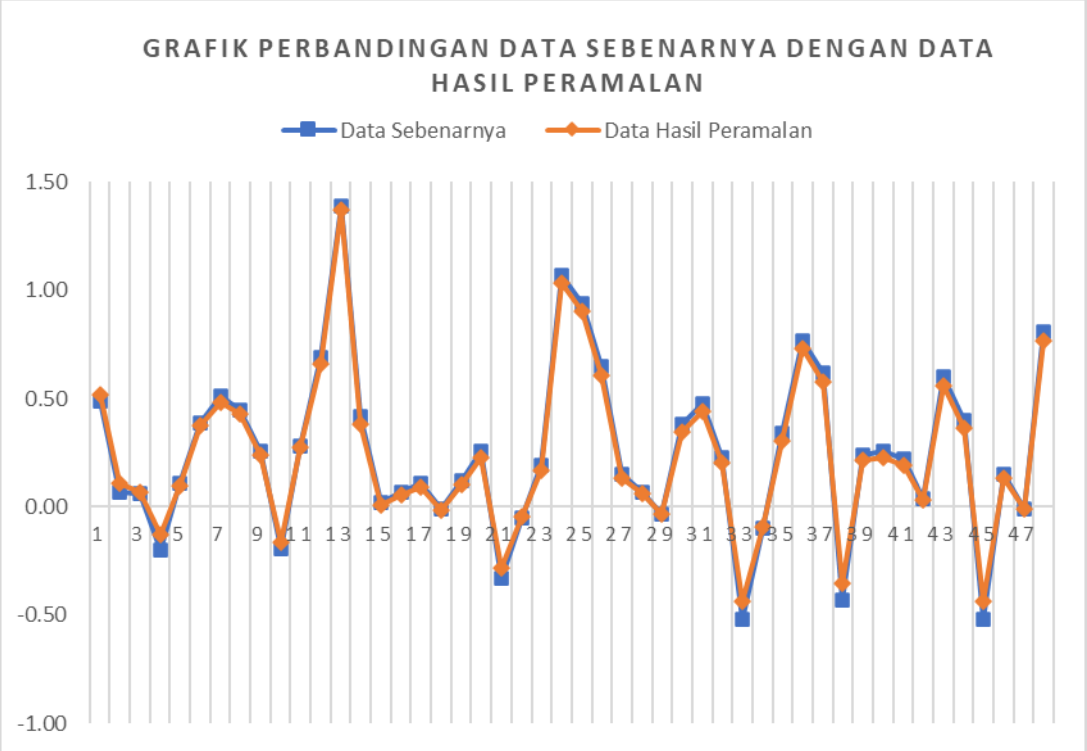
- Model jaringan [8-6-1], jumlah iterasi = 5000, alpha = 0.9, MAPE = 13.19 %



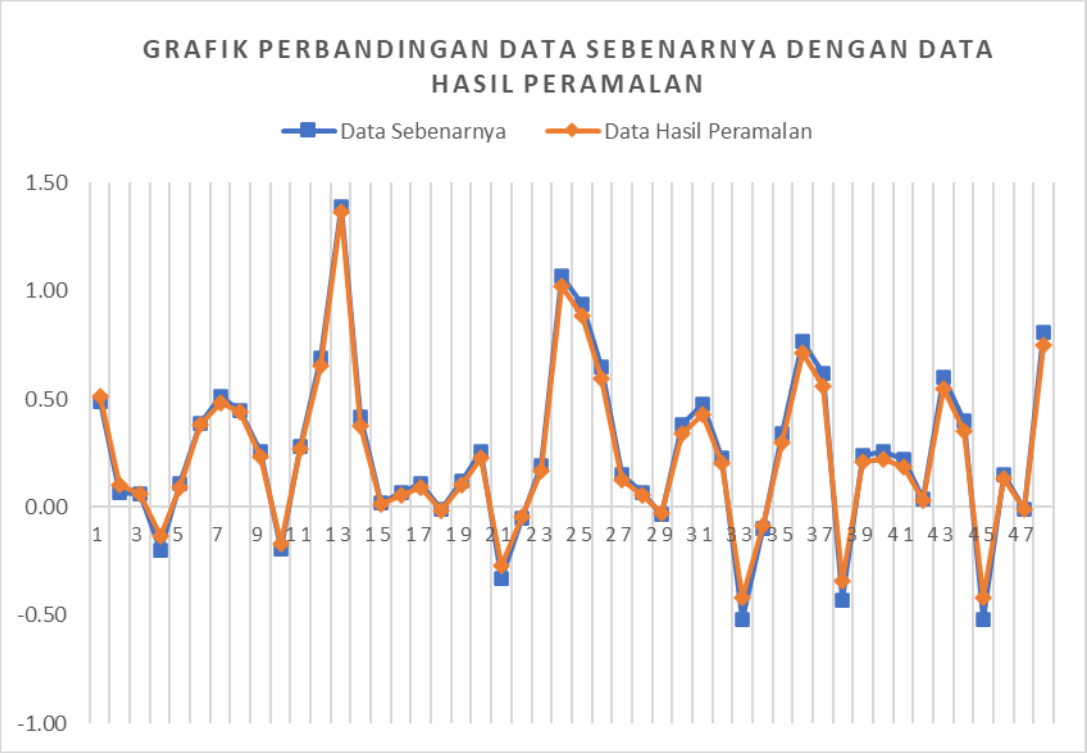
- Model jaringan [8-7-1], jumlah iterasi = 5000, alpha = 0.9, MAPE = 12.96 %



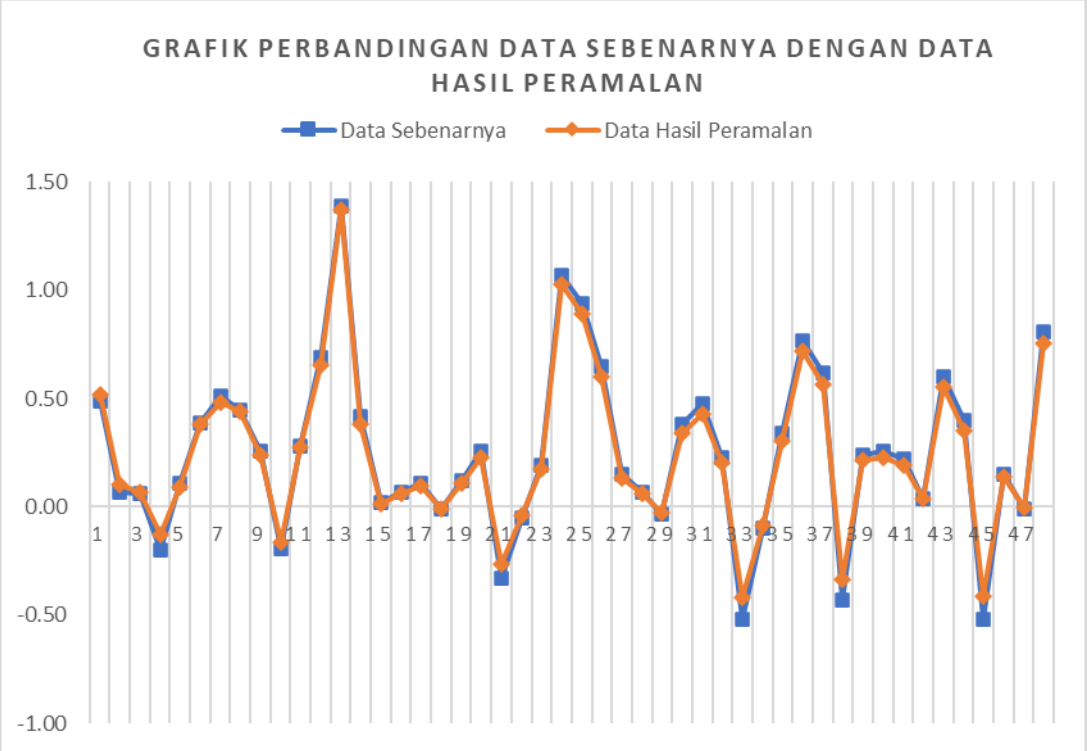
- Model jaringan [8-8-1], jumlah iterasi = 5000, alpha = 0.9, MAPE = 12.41 %



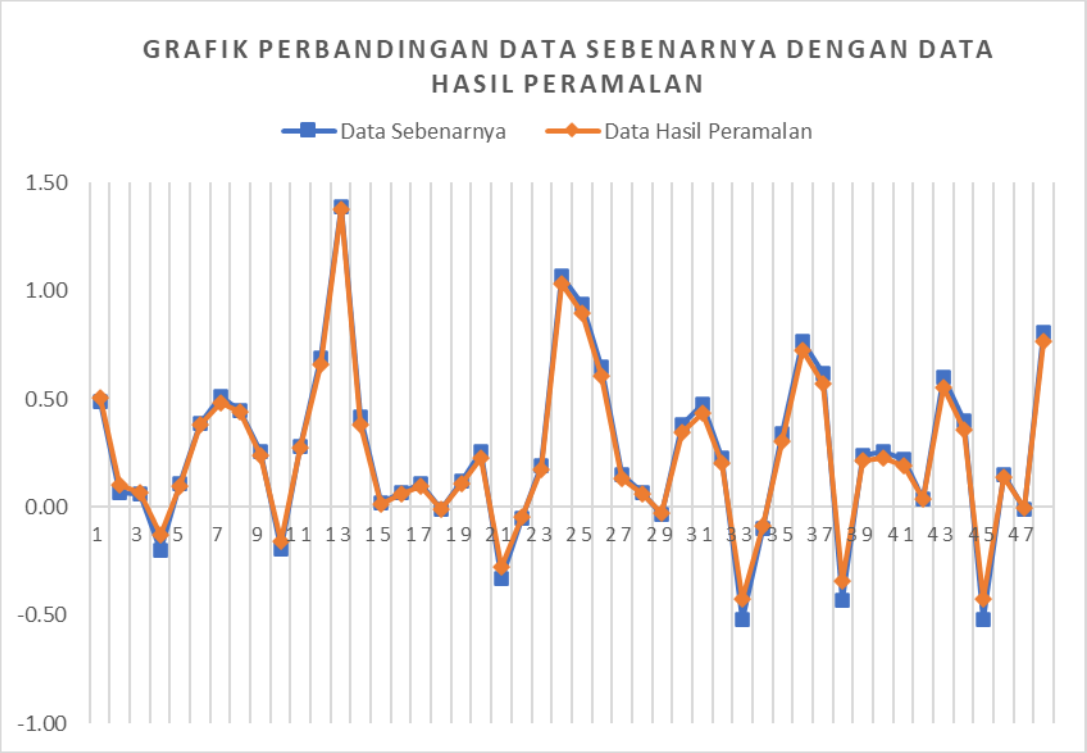
- Model jaringan [8-9-1], jumlah iterasi = 5000, alpha = 0.9, MAPE = 13.14 %



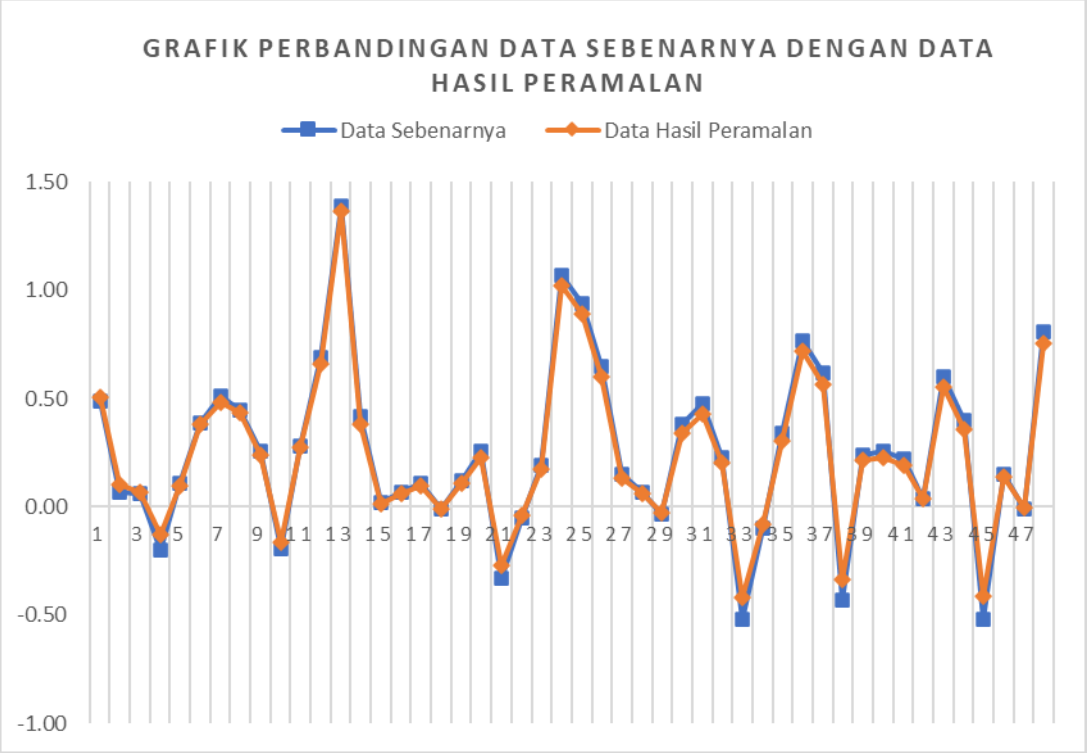
- Model jaringan [8-10-1], jumlah iterasi = 5000, alpha = 0.9, MAPE = 13.15 %



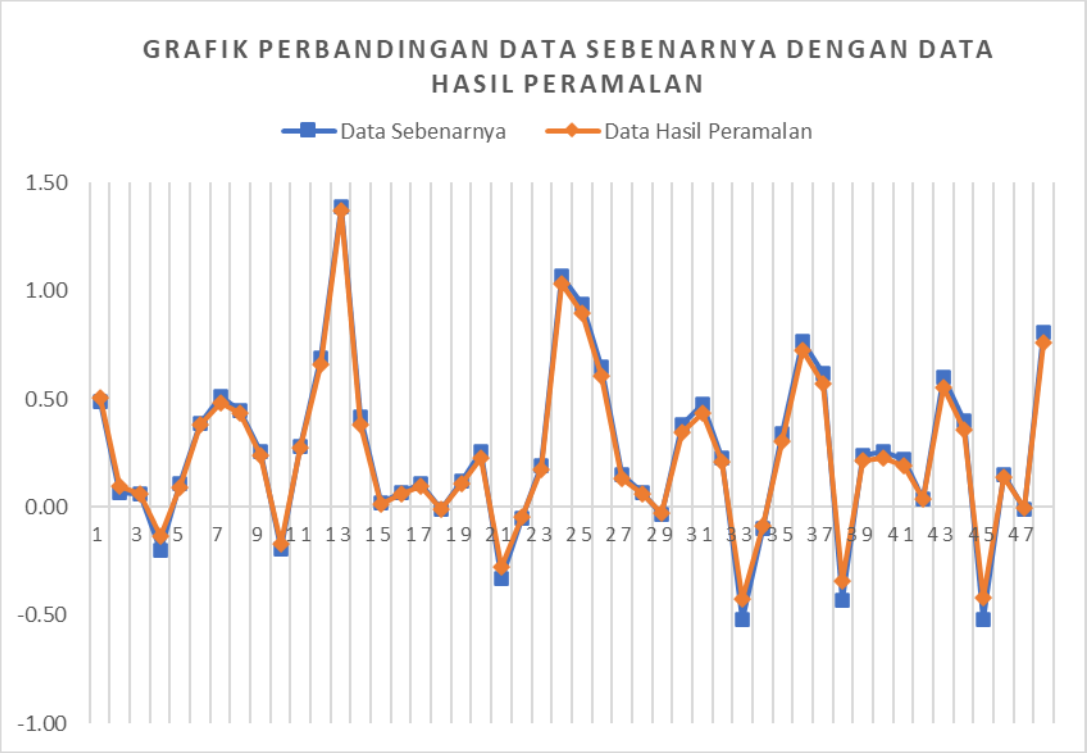
- Model jaringan [8-11-1], jumlah iterasi = 5000, alpha = 0.9, MAPE = 12.03 %



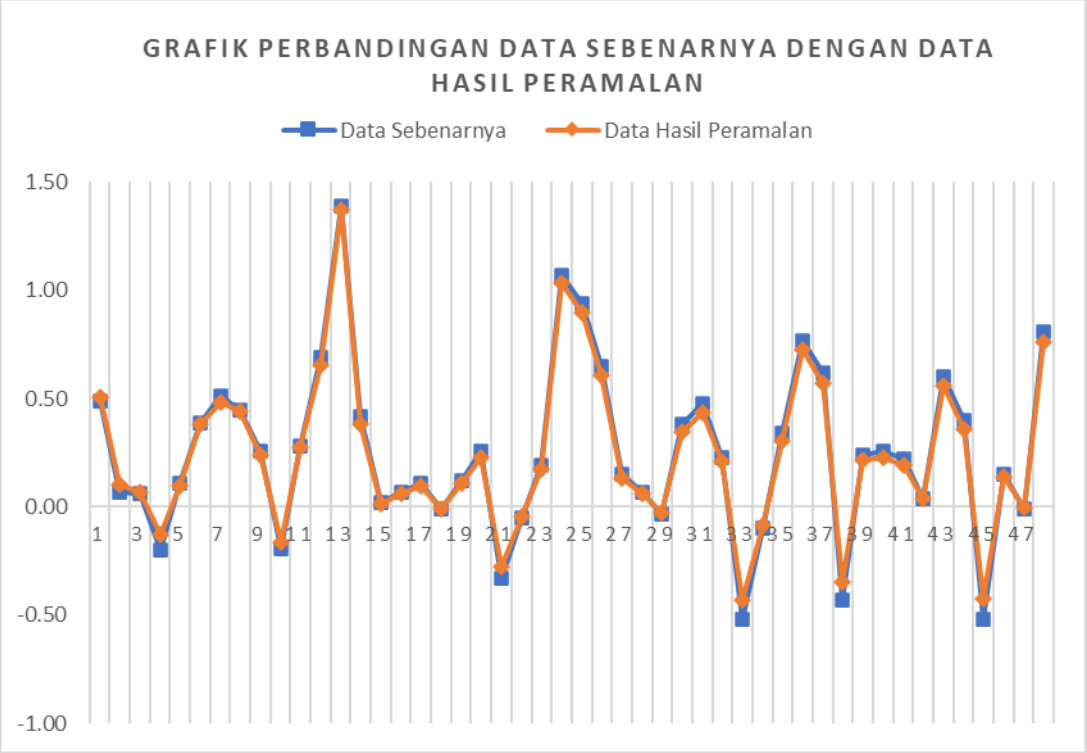
- Model jaringan [8-12-1], jumlah iterasi = 5000, alpha = 0.9, MAPE = 13.10 %



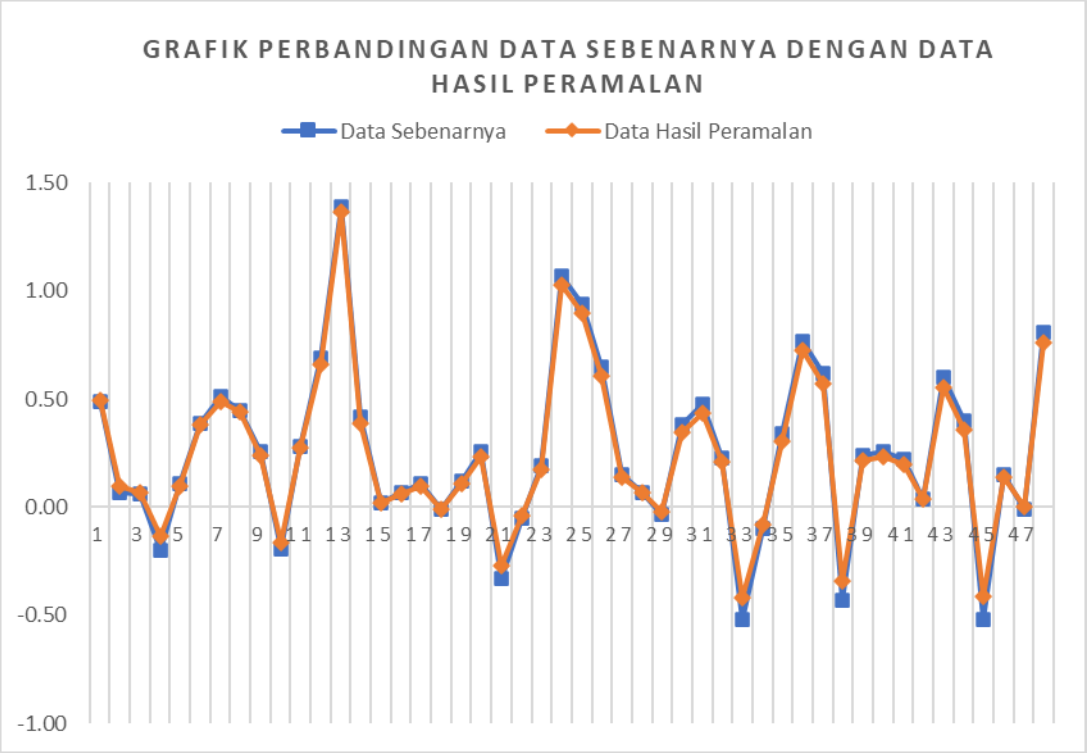
- Model jaringan [8-13-1], jumlah iterasi = 5000, alpha = 0.9, MAPE = 12.09 %



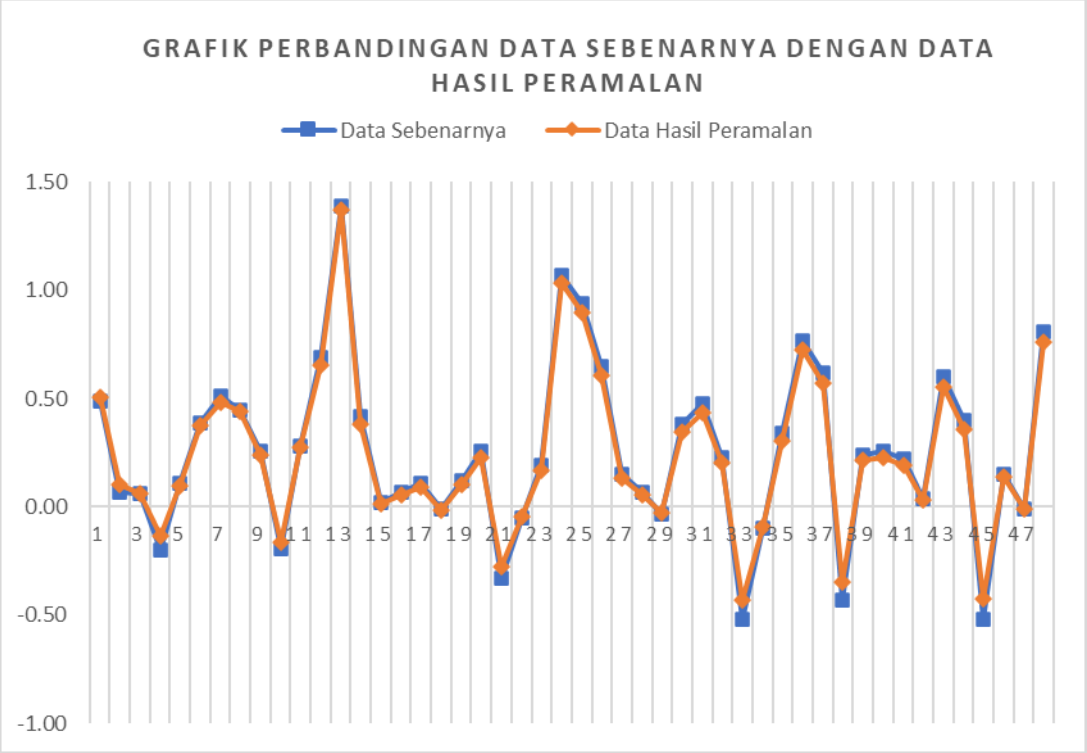
- Model jaringan [8-14-1], jumlah iterasi = 5000, alpha = 0.9, MAPE = 12.07 %



- Model jaringan [8-15-1], jumlah iterasi = 5000, alpha = 0.9, MAPE = 12.92 %



- Model jaringan [8-16-1], jumlah iterasi = 5000, alpha = 0.9, MAPE = 12.54 %



Lampiran 5. Bobot Baru Hasil Pelatihan Model JST Terbaik

Nilai bias dan bobot V yang diperoleh dari model arsitektur JST terbaik

V	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
0	-0.197	0.127	-0.581	0.555	0.393	-0.690	0.110	1.229	0.097	0.562	-0.363	0.479	-0.933	0.662	0.731	-0.076
1	-0.475	-0.473	0.598	0.812	-0.326	0.433	-1.556	0.043	-0.375	0.192	0.037	-0.033	0.481	-0.085	0.272	-0.320
2	-0.751	-0.226	-0.096	0.414	-0.393	0.068	-0.914	0.951	-0.061	-0.379	0.466	0.320	0.251	0.543	-0.459	-0.108
3	-0.329	-0.455	0.493	-0.048	0.209	-0.145	-0.273	-0.417	0.178	-0.329	-0.087	0.150	-0.016	0.328	-0.006	0.520
4	1.411	-0.346	-1.142	1.194	0.819	-1.218	-1.723	-1.235	-1.614	-1.081	0.754	-0.902	-0.690	0.230	-1.480	-0.126
5	0.208	0.224	0.214	-0.268	-0.556	-0.075	0.093	0.045	0.073	-0.006	0.472	-0.522	-0.326	-0.415	0.057	-0.598
6	-0.267	-0.104	-0.474	-0.377	0.040	0.349	-0.254	0.193	0.276	-0.093	0.180	0.040	-0.497	-0.282	-0.661	0.147
7	0.416	-0.500	-0.085	-0.126	0.194	0.517	0.610	-0.533	0.303	0.000	0.192	-0.415	0.439	0.347	0.341	-0.141
8	-0.395	-0.305	-0.074	-0.024	-0.089	-0.182	0.086	0.008	-0.326	0.290	0.366	-0.208	0.292	-0.197	0.041	-0.462

Nilai bias dan bobot W yang diperoleh dari model arsitektur JST terbaik

W	1
0	0.3618
1	2.0035
2	-0.4776
3	-1.1115
4	1.6309
5	1.2494
6	-1.0577
7	-2.0521
8	-1.5173
9	-1.7270
10	-1.0564
11	1.2844
12	-1.3181
13	-0.5558
14	0.5449
15	-1.2401
16	0.0859