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Tanggal	RMM	AUSMI	OLR 100 BT Filter	OLR+AUSMI	ΔCH Mks Koreksi	ΔCH Smg Koreksi	ΔCH Pal Koreksi
03-Jan-18	1.64	-1.14	-0.4081	-1.55	-83.68	-44.81	11.43
08-Jan-18	1.91	0.74	-0.7550	-0.02	-25.23	-28.61	-6.45
13-Jan-18	1.60	6.73	-0.8860	5.85	127.89	-38.28	-13.06
18-Jan-18	1.75	3.82	-0.8127	3.01	112.66	-4.71	-37.85
23-Jan-18	1.56	5.15	-0.5200	4.63	19.38	-25.58	-17.62
28-Jan-18	2.59	10.78	-0.0262	10.76	-62.21	-27.30	-23.06
02-Feb-18	3.80	12.77	0.5461	13.32	-87.02	33.98	6.66
07-Feb-18	3.80	4.79	0.9838	5.78	8.42	24.24	-27.25
12-Feb-18	3.20	3.70	1.0768	4.78	61.44	44.12	-30.66
17-Feb-18	2.30	6.52	0.7211	7.24	165.38	138.79	30.13
22-Feb-18	1.64	4.71	-0.0066	4.71	-78.05	57.36	-16.90
27-Feb-18	2.07	2.43	-0.8210	1.61	30.29	4.43	-11.37
04-Mar-18	1.21	1.93	-1.3275	0.60	-57.28	-7.58	-19.92
09-Mar-18	1.64	2.30	-1.2527	1.04	-19.13	-29.46	-28.68
14-Mar-18	1.01	0.36	-0.6260	-0.27	92.09	62.52	-33.72
19-Mar-18	0.60	-0.03	0.2590	0.23	25.40	-12.26	44.81
24-Mar-18	0.74	1.30	1.0383	2.34	8.02	-7.02	16.65
29-Mar-18	1.29	0.74	1.4439	2.19	0.00	0.00	0.00

Lampiran 2. Tabel hasil verifikasi skill probabilistik (*Peirce Skill Score*) untuk wilayah Makassar

Model Multiple Regression	Lead-1 Pentad Makassar						Skill Forecast		Random No-skill Forecast	
	Prob	tholds	a	b	c	d	PSS	ePSS	PSSr	ePSSr
	80%	75.02	175	117	87	933	0.5569	0.0309	0	0.0345
	85%	96.28	93	89	103	1027	0.3947	0.0372	0	0.0387
	90%	131.11	29	36	103	1144	0.1892	0.0456	6.E-18	0.0459
95%	186.05	1	11	64	1236	0.0066	0.0636	0	0.0636	
Model Multiple Regression	Lead-2 Pentad Makassar						Skill Forecast		Random No-skill Forecast	
	Prob	tholds	a	b	c	d	PSS	ePSS	PSSr	ePSSr
	80%	75.02	153	122	109	928	0.4678	0.032	-2.64E-17	0.0345
	85%	96.28	73	83	123	1033	0.2981	0.0378	0	0.0387
	90%	131.11	18	35	114	1145	0.1067	0.0458	5.84E-18	0.0459
95%	186.05	2	7	64	1239	0.0247	0.0632	1.38E-18	0.0632	
Model Multiple Regression	Lead-3 Pentad Makassar						Skill Forecast		Random No-skill Forecast	
	Prob	tholds	a	b	c	d	PSS	ePSS	PSSr	ePSSr
	80%	75.02	151	115	111	935	0.4668	0.032	0	0.0345
	85%	96.28	70	87	126	1029	0.2792	0.0379	1.66E-17	0.0387
	90%	131.11	16	34	116	1146	0.0924	0.0458	-5.84E-18	0.0459
95%	186.05	2	7	64	1239	0.0247	0.0632	1.38E-18	0.0632	
Model Multiple Regression	Lead-4 Pentad Makassar						Skill Forecast		Random No-skill Forecast	
	Prob	tholds	a	b	c	d	PSS	ePSS	PSSr	ePSSr
	80%	75.02	146	127	116	923	0.4363	0.0324	2.64E-17	0.0345
	85%	96.28	73	87	123	1029	0.2945	0.0379	1.66E-17	0.0387
	90%	131.11	18	36	114	1144	0.1059	0.0458	0	0.0459
95%	186.05	3	10	63	1236	0.0374	0.0631	0	0.0632	

Model Chaos	Lead-1 Pentad Makassar						Skill Forecast		Random No-skill Forecast	
	Prob	tholds	a	b	c	d	PSS	ePSS	PSSr	ePSSr
	80%	75.02	196	36	63	1013	0.7224	0.0284	2.68E-17	0.0347
	85%	96.28	120	23	74	1091	0.5979	0.0352	0	0.0389
	90%	131.11	49	7	82	1170	0.3681	0.0449	0	0.0461
95%	186.05	10	2	55	1241	0.1522	0.0635	0	0.0636	
Model Chaos	Lead-2 Pentad Makassar						Skill Forecast		Random No-skill Forecast	
	Prob	tholds	a	b	c	d	PSS	ePSS	PSSr	ePSSr
	80%	75.02	141	53	118	996	0.4939	0.0319	0	0.0347
	85%	96.28	73	34	121	1080	0.3458	0.0377	-8.42E-18	0.0389
	90%	131.11	17	13	114	1164	0.1187	0.0459	-2.95E-18	0.0461
95%	186.05	1	1	64	1242	0.0146	0.0636	0	0.0636	
Model Chaos	Lead-3 Pentad Makassar						Skill Forecast		Random No-skill Forecast	
	Prob	tholds	a	b	c	d	PSS	ePSS	PSSr	ePSSr
	80%	75.02	155	71	104	978	0.5308	0.0314	0	0.0347
	85%	96.28	77	45	117	1069	0.3565	0.0376	0	0.0389
	90%	131.11	20	16	111	1161	0.1391	0.0459	0	0.0461
95%	186.05	2	3	63	1240	0.0284	0.0636	0	0.0636	
Model Chaos	Lead-4 Pentad Makassar						Skill Forecast		Random No-skill Forecast	
	Prob	tholds	a	b	c	d	PSS	ePSS	PSSr	ePSSr
	80%	75.02	144	32	115	1017	0.5255	0.0315	-1.34E-17	0.0347
	85%	96.28	77	20	117	1094	0.379	0.0375	0	0.0389
	90%	131.11	18	11	113	1166	0.1281	0.0459	2.95E-18	0.0461
95%	186.05	1	5	64	1238	0.0114	0.0636	-7.04E-19	0.0636	



Lead-1 Pentad Makassar						Skill Forecast		Random No-skill Forecast	
Prob	tholds	a	b	c	d	PSS	ePSS	PSSr	ePSSr
80%	75.02	137	108	122	941	0.426	0.0326	2.68E-17	0.0347
85%	96.28	81	108	113	1006	0.3206	0.0379	-1.68E-17	0.0389
90%	131.11	44	81	87	1096	0.2671	0.0455	1.18E-17	0.0461
95%	186.05	16	45	49	1198	0.21	0.0634	-5.63E-18	0.0636

Lead-2 Pentad Makassar						Skill Forecast		Random No-skill Forecast	
Prob	tholds	a	b	c	d	PSS	ePSS	PSSr	ePSSr
80%	75.02	116	129	143	920	0.3249	0.0335	2.68E-17	0.0347
85%	96.28	73	116	121	998	0.2722	0.0382	-1.68E-17	0.0389
90%	131.11	33	92	98	1085	0.1737	0.0458	1.18E-17	0.0461
95%	186.05	8	53	57	1190	0.0804	0.0636	-5.63E-18	0.0636

Lead-3 Pentad Makassar						Skill Forecast		Random No-skill Forecast	
Prob	tholds	a	b	c	d	PSS	ePSS	PSSr	ePSSr
80%	75.02	122	123	137	926	0.3538	0.0333	2.68E-17	0.0347
85%	96.28	65	124	129	990	0.2237	0.0384	-1.68E-17	0.0389
90%	131.11	33	92	98	1085	0.1737	0.0458	1.18E-17	0.0461
95%	186.05	5	56	60	1187	0.0319	0.0636	-5.63E-18	0.0636

Lead-4 Pentad Makassar						Skill Forecast		Random No-skill Forecast	
Prob	tholds	a	b	c	d	PSS	ePSS	PSSr	ePSSr
80%	75.02	122	122	137	927	0.3547	0.0333	-2.68E-17	0.0347
85%	96.28	69	120	125	994	0.248	0.0383	-1.68E-17	0.0389
90%	131.11	33	92	98	1085	0.1737	0.0458	1.18E-17	0.0461
95%	186.05	3	58	62	1185	-5.07E-04	0.0636	-5.63E-18	0.0636

Model Persistence

Lampiran 3. Tabel hasil verifikasi skill probabilistik (*Peirce Skill Score*) untuk wilayah Semarang

Lead-1 Pentad Semarang						Skill Forecast		Random No-skill Forecast	
Prob	tholds	a	b	c	d	PSS	ePSS	PSSr	ePSSr
80%	49.87	76	86	184	966	0.2106	0.0341	-1.33E-17	0.0346
85%	60.89	32	34	165	1081	0.1319	0.0385	-8.28E-18	0.0386
90%	73.41	10	11	120	1171	0.0676	0.0462	-3.E-18	0.0462
95%	92.81	4	1	61	1246	0.0607	0.0636	0	0.0636

Lead-2 Pentad Semarang						Skill Forecast		Random No-skill Forecast	
Prob	tholds	a	b	c	d	PSS	ePSS	PSSr	ePSSr
80%	49.87	56	77	204	975	0.1422	0.0344	0	0.0346
85%	60.89	25	31	172	1084	0.0991	0.0385	0	0.0386
90%	73.41	11	10	119	1172	0.0762	0.0462	-3.E-18	0.0462
95%	92.81	4	2	61	1245	0.0599	0.0636	-7.01E-19	0.0636

Lead-3 Pentad Semarang						Skill Forecast		Random No-skill Forecast	
Prob	tholds	a	b	c	d	PSS	ePSS	PSSr	ePSSr
80%	49.87	57	80	203	972	0.1432	0.0344	0	0.0346
85%	60.89	22	28	175	1087	0.0866	0.0386	0	0.0386
90%	73.41	9	8	121	1174	0.0625	0.0462	-1.E-18	0.0462
95%	92.81	4	2	61	1245	0.0599	0.0636	-7.01E-19	0.0636

Lead-4 Pentad Semarang						Skill Forecast		Random No-skill Forecast	
Prob	tholds	a	b	c	d	PSS	ePSS	PSSr	ePSSr
80%	49.87	52	78	208	974	0.1259	0.0345	0	0.0346
85%	60.89	16	24	181	1091	0.0597	0.0386	0	0.0386
90%	73.41	6	6	124	1176	0.0411	0.0462	0	0.0462
95%	92.81	3	2	62	1245	0.0445	0.0636	0	0.0636

Model Multiple Regression



Lead-1 Pentad Semarang						Skill Forecast		Random No-skill Forecast	
Prob	tholds	a	b	c	d	PSS	ePSS	PSSr	ePSSr
80%	49.87	61	5	198	1044	0.2308	0.0341	0	0.0347
85%	60.89	24	1	172	1111	0.1215	0.0386	0	0.0387
90%	73.41	6	0	123	1179	0.0465	0.0464	0	0.0464
95%	92.81	2	0	62	1244	0.0313	0.0641	-1.78E-19	0.0641

Model Chaos	Lead-2 Pentad Semarang						Skill Forecast		Random No-skill Forecast	
	Prob	tholds	a	b	c	d	PSS	ePSS	PSSr	ePSSr
	80%	49.87	78	16	181	1033	0.2859	0.0338	-1.34E-17	0.0347
	85%	60.89	33	4	163	1108	0.1648	0.0385	4.17E-18	0.0387
	90%	73.41	9	1	120	1178	0.0689	0.0463	0	0.0464
95%	92.81	4	0	60	1244	0.0625	0.0641	3.57E-19	0.0641	
Model Persistence	Lead-3 Pentad Semarang						Skill Forecast		Random No-skill Forecast	
	Prob	tholds	a	b	c	d	PSS	ePSS	PSSr	ePSSr
	80%	49.87	90	29	169	1020	0.3198	0.0335	-1.34E-17	0.0347
	85%	60.89	30	14	166	1098	0.1405	0.0385	0	0.0387
	90%	73.41	14	4	115	1175	0.1051	0.0463	0	0.0464
95%	92.81	10	0	54	1244	0.1563	0.0639	-1.43E-18	0.0641	
Model Persistence	Lead-4 Pentad Semarang						Skill Forecast		Random No-skill Forecast	
	Prob	tholds	a	b	c	d	PSS	ePSS	PSSr	ePSSr
	80%	49.87	30	13	229	1036	0.1034	0.0346	0	0.0347
	85%	60.89	6	3	190	1109	0.0279	0.0387	-1.04E-18	0.0387
	90%	73.41	3	0	126	1179	0.0233	0.0464	-4.E-19	0.0464
95%	92.81	0	0	64	1244	0	0.0641	0	0.0641	

Model Persistence	Lead-1 Pentad Semarang						Skill Forecast		Random No-skill Forecast	
	Prob	tholds	a	b	c	d	PSS	ePSS	PSSr	ePSSr
	80%	49.87	93	154	166	895	0.2123	0.0342	-2.68E-17	0.0347
	85%	60.89	56	129	140	983	0.1697	0.0384	1.67E-17	0.0387
	90%	73.41	34	88	95	1091	0.1889	0.0461	0	0.0464
95%	92.81	15	44	49	1200	0.199	0.0639	0	0.0641	
Model Persistence	Lead-2 Pentad Semarang						Skill Forecast		Random No-skill Forecast	
	Prob	tholds	a	b	c	d	PSS	ePSS	PSSr	ePSSr
	80%	49.87	81	167	178	882	0.1535	0.0344	2.68E-17	0.0347
	85%	60.89	49	136	147	976	0.1277	0.0386	1.67E-17	0.0387
	90%	73.41	29	93	100	1086	0.1459	0.0462	0	0.0464
95%	92.81	13	46	51	1198	0.1661	0.0639	0	0.0641	
Model Persistence	Lead-3 Pentad Semarang						Skill Forecast		Random No-skill Forecast	
	Prob	tholds	a	b	c	d	PSS	ePSS	PSSr	ePSSr
	80%	49.87	83	166	176	883	0.1622	0.0344	0	0.0347
	85%	60.89	49	137	147	975	0.1268	0.0386	0	0.0387
	90%	73.41	25	97	104	1082	0.1115	0.0463	0	0.0464
95%	92.81	7	52	57	1192	0.0676	0.0641	0	0.0641	
Model Persistence	Lead-4 Pentad Semarang						Skill Forecast		Random No-skill Forecast	
	Prob	tholds	a	b	c	d	PSS	ePSS	PSSr	ePSSr
	80%	49.87	68	180	191	869	0.091	0.0346	2.68E-17	0.0347
	85%	60.89	42	143	154	969	0.0857	0.0387	1.67E-17	0.0387
	90%	73.41	17	104	112	1075	0.0436	0.0464	0	0.0464
95%	92.81	5	54	59	1190	0.0347	0.0641	0	0.0641	

Lampiran 4. Tabel hasil verifikasi skill probabilistik (*Peirce Skill Score*) untuk wilayah Palembang

Model Multiple Regression	Lead-1 Pentad Palembang						Skill Forecast		Random No-skill Forecast	
	Prob	tholds	a	b	c	d	PSS	ePSS	PSSr	ePSSr
	80%	51.59	13	39	248	1012	0.0127	0.0346	0	0.0346
	85%	62.04	1	12	196	1103	-0.0057	0.0386	0	0.0386
	90%	74.07	0	4	129	1179	-0.0034	0.0464	4.E-19	0.0464
95%	91.89	0	1	66	1245	-8.03E-04	0.0632	0	0.0632	
Model Multiple Regression	Lead-2 Pentad Palembang						Skill Forecast		Random No-skill Forecast	
	Prob	tholds	a	b	c	d	PSS	ePSS	PSSr	ePSSr
	80%	51.59	17	42	244	1009	0.0252	0.0346	0	0.0346
	85%	62.04	4	13	193	1102	0.0086	0.0386	2.07E-18	0.0386
	90%	74.07	2	4	127	1179	0.0121	0.0464	7.E-19	0.0464
95%	91.89	1	2	65	1244	0.0135	0.0632	3.46E-19	0.0632	
Model Multiple Regression	Lead-3 Pentad Palembang						Skill Forecast		Random No-skill Forecast	
	Prob	tholds	a	b	c	d	PSS	ePSS	PSSr	ePSSr
	80%	51.59	11	49	250	1002	-0.0045	0.0346	-6.63E-18	0.0346
	85%	62.04	3	9	194	1106	0.0072	0.0386	2.07E-18	0.0386
	90%	74.07	2	5	127	1178	0.0113	0.0464	0	0.0464
95%	91.89	1	2	65	1244	0.0135	0.0632	3.46E-19	0.0632	



Lead-4 Pentad Palembang						Skill Forecast		Random No-skill Forecast	
Prob	tholds	a	b	c	d	PSS	ePSS	PSSr	ePSSr
80%	51.59	15	33	246	1018	0.0261	0.0346	0	0.0346
85%	62.04	3	12	194	1103	0.0045	0.0386	0	0.0386
90%	74.07	1	4	128	1179	0.0044	0.0464	0	0.0464
95%	91.89	0	0	66	1246	0	0.0632	0	0.0632

Lead-1 Pentad Palembang						Skill Forecast		Random No-skill Forecast	
Prob	tholds	a	b	c	d	PSS	ePSS	PSSr	ePSSr
80%	51.59	47	14	212	1035	0.1681	0.0344	0	0.0347
85%	62.04	9	8	186	1105	0.039	0.0388	0	0.0388
90%	74.07	6	2	125	1175	0.0441	0.046	-7.E-19	0.0461
95%	91.89	2	2	63	1241	0.0292	0.0636	3.52E-19	0.0636

Lead-2 Pentad Palembang						Skill Forecast		Random No-skill Forecast	
Prob	tholds	a	b	c	d	PSS	ePSS	PSSr	ePSSr
80%	51.59	16	7	243	1042	0.0551	0.0347	-3.35E-18	0.0347
85%	62.04	6	6	189	1107	0.0254	0.0388	-1.05E-18	0.0388
90%	74.07	0	5	128	1175	-0.0042	0.0465	0	0.0465
95%	91.89	0	4	65	1239	-0.0032	0.0636	3.52E-19	0.0636

Lead-3 Pentad Palembang						Skill Forecast		Random No-skill Forecast	
Prob	tholds	a	b	c	d	PSS	ePSS	PSSr	ePSSr
80%	51.59	11	8	248	1041	0.0348	0.0347	0	0.0347
85%	62.04	5	3	190	1110	0.0229	0.0388	0	0.0388
90%	74.07	4	2	124	1178	0.0296	0.0465	0	0.0465
95%	91.89	2	3	63	1240	0.0284	0.0636	0	0.0636

Lead-4 Pentad Palembang						Skill Forecast		Random No-skill Forecast	
Prob	tholds	a	b	c	d	PSS	ePSS	PSSr	ePSSr
80%	51.59	33	11	226	1038	0.1169	0.0345	-6.70E-18	0.0347
85%	62.04	9	5	186	1108	0.0417	0.0388	2.10E-18	0.0388
90%	74.07	3	3	125	1177	0.0209	0.0465	0	0.0465
95%	91.89	1	2	64	1241	0.0138	0.0636	3.52E-19	0.0636

Lead-1 Pentad Palembang						Skill Forecast		Random No-skill Forecast	
Prob	tholds	a	b	c	d	PSS	ePSS	PSSr	ePSSr
80%	51.59	76	180	183	869	0.1218	0.0345	0	0.0347
85%	62.04	49	140	146	973	0.1255	0.0387	-1.68E-17	0.0388
90%	74.07	27	103	101	1077	0.1236	0.0464	0	0.0465
95%	91.89	10	51	55	1192	0.1128	0.0635	-5.63E-18	0.0636

Lead-2 Pentad Palembang						Skill Forecast		Random No-skill Forecast	
Prob	tholds	a	b	c	d	PSS	ePSS	PSSr	ePSSr
80%	51.59	98	252	161	797	0.1381	0.0345	2.68E-17	0.0347
85%	62.04	67	229	128	884	0.1378	0.0386	0	0.0388
90%	74.07	38	212	90	968	0.1172	0.0464	-2.E-17	0.0465
95%	91.89	17	185	48	1058	0.1127	0.0635	-2.25E-17	0.0636

Lead-3 Pentad Palembang						Skill Forecast		Random No-skill Forecast	
Prob	tholds	a	b	c	d	PSS	ePSS	PSSr	ePSSr
80%	51.59	100	249	159	800	0.1487	0.0344	0	0.0347
85%	62.04	55	240	140	873	0.0664	0.0388	-3.35E-17	0.0388
90%	74.07	28	221	100	959	0.0315	0.0465	0	0.0465
95%	91.89	14	188	51	1055	0.0641	0.0636	-2.25E-17	0.0636

Lead-4 Pentad Palembang						Skill Forecast		Random No-skill Forecast	
Prob	tholds	a	b	c	d	PSS	ePSS	PSSr	ePSSr
80%	51.59	98	252	161	797	0.1381	0.0345	2.68E-17	0.0347
85%	62.04	58	238	137	875	0.0836	0.0387	0	0.0388
90%	74.07	31	219	97	961	0.0566	0.0465	-2.E-17	0.0465
95%	91.89	13	189	52	1054	0.0479	0.0636	-2.25E-17	0.0636

Model Chaos

Model Persistence



Lampiran 5. Script Matlab bandpass filter

```
%Language : Matlab R2015b;
%Authors : Putri Wulandari;
%Affiliation: Geophysics Study Program, Departement of Physics, Hasanuddin Univ;
%FFT and Bandpass Filter of OLR Index 100E
-----
--clc; clear all; clf;
Fs=2800; %Sampling Frequency (Fs>2F)
t=[1:1332]; %Time Interval
data = xlsread('Indeks_MJO_Pentad',1,'E1609:E2940'); %Data Input OLR 100E
[m,n]=size(data);
x = data;
subplot(3,1,1)
plot(t,x) % Plot Original Time Series Data
xlabel('time')
ylabel('magnitude')
X = fft(x,2048);
subplot(3,1,2)
plot(real(X))
f = 1400*(0:1024)/1024; %Nyquist Frequency
PX = X.*conj(X)/(2048*2048);
subplot(3,1,3)
plot(f,PX(1:1025))
xlabel('frequency')
ylabel('magnitude')

m=155.9; %Frequency of 90 day
n=466.2; %Frequency of 30 day
figure(2)
[b,a]=butter(5,[155.9,466.2]/(Fs/2));
xbp=filter(b,a,x);
subplot(2,1,1)
plot(t,x)
title('Outgoing Longwave Radiation 100BT Before Filtering','FontSize',13)
legend('raw'); xlabel('time (days)'), ylabel('magnitude')
subplot(2,1,2)
plot(t,xbp)
legend('bandpass'); xlabel('time (days)'), ylabel('magnitude')
title('Outgoing Longwave Radiation 100BT After Filtering','FontSize',13)
```

Lampiran 6. Script Matlab Power Spectral Density

```
clc; clear all;%load data from excel
data=xlsread('PSD_ALL',2,'B2:D1325');
[m,n]=size(data);
t=1:length(data);
y=data;
[spec,f]=fftrl(y,t);
spec=real(spec).^2+imag(spec).^2; %rms frekuensi
f=1./f;
figure(2);semilogx(f,spec);grid on
title('Index 3 (OLR 100BT)', 'AUSMI', 'OLR 100BT + AUSMI',10);
text('k',[1 3 6 9 12 20 39 73 219 423], 'fontsize',10)
text('l (pentad)', 'fontweight', 'bold', 'fontsize',16)
text('Total Energy (m^2/s^2/Hz)', 'fontweight', 'bold', 'fontsize',16)
text('Spectral Density of OLR 100BT and AUSMI (Jan 2000 - Mar',
'fontweight', 'bold', 'fontsize',16)
text('ASCII f')
```



Lampiran 7. Script akumulasi curah hujan periode NDJFM

```
=====  
Program   : OpenGrADS 2.0.2  
Authors   : Putri Wulandari  
Affiliation : Geophysics Study Program, Dept. of Physics, Hasanuddin Univ.  
5-monthly rainfall accumulation  
=====
```

```
'open D:\DATA_TA\DATABASE\TRMM\3B42_Daily_1.ct1'  
  
'set string 1 t1 4'  
'set strsiz 0.2'  
'set cthick 2'  
'set xlopts 1 6 0.13'  
'set ylopts 1 6 0.13'  
'set mpt 0 1 1 12'  
'set mpt 1 1 1 12'  
'set mpt 2 1 3 12'  
'set vpage 0 11 0 8.5'  
'set parea 1 10.5 1.5 8'  
  
'set lat -11.125 5.875'  
'set lon 95.125 128'  
  
'set gxout shaded'  
'set csmooth on'  
'set mpdset hires'  
  
'set clevs 300 550 800 1050 1300 1550 1800 2050 2300 2550 2800 3050 3300'  
'set ccols 14 4 11 5 13 10 7 23 24 25 26 27 28 29'  
  
'd sum(precipitation,time=1nov2017,time=30mar2018)'  
'cbarn 1 2 5.6 0.85'  
  
'set line 1'  
'set string 1 1 10'  
'set strsiz 0.16'  
'set string 1'  
  
'draw xlab Longitude'  
'draw ylab Latitude'  
  
*Makassar  
lon1=119.41  
lat1=-5.11  
'q w2xy 'lon1' 'lat1  
say result  
x1=subwrd(result,3)  
y1=subwrd(result,6)  
'set line 0 0 10'  
'draw mark 1 'x1' 'y1' '0.12  
'draw string 'x1-0.6' 'y1-0.2' 'Makassar'  
  
*Semarang  
lon2=110.417  
lat2=-6.951  
2' 'lat2  
sult,3)  
sult,6)  
0 10'  
'x1' 'y1' '0.12  
'x1-0.6' 'y1+0.3' 'Semarang'
```



```

lon3=104.772
lat3=-2.928
'q w2xy 'lon3' 'lat3
say result
x1=subwrd(result,3)
y1=subwrd(result,6)
'set line 0 0 10'
'draw mark 1 'x1' 'y1' '0.12
'draw string 'x1-0.6' 'y1-0.2' 'Palembang''

'draw title Daily Accumulated Rainfall NDJFM 2017-2018'
'printim D:\DATA_TA\DATABASE\TRMM\SPASIAL\5month_Accum_Rain_2017_2018.gif'
'clear'

```

Lampiran 8. Script diagram hovmoller curah hujan periode DJF

```

=====
Program : OpenGrADS 2.0.2
Authors : Putri Wulandari
Affiliation : Geophysics Study Program, Dept. of Physics, Hasanuddin Univ.
Hovmoller of rainfall (longitude-time)
=====
'open D:\DATA_TA\DATABASE\TRMM\3B42_Daily_1.ct1'

'set string 1 t1 4'
'set strsiz 0.2'
'set cthick 2'
'set xlopts 1 6 0.13'
'set ylopts 1 6 0.13'
'set mpt 0 1 1 12'
'set mpt 1 1 1 12'
'set mpt 2 1 3 12'
'set vpage 0 8.5 0 11'
'set parea 1.5 8.3 1.5 10.5'
'set yflip on'

'set lon 95.125 128'
'set lat -5'
'set time 1dec2011 28feb2012'

'set gxout shaded'
'set csmooth on'
'set clevs 0 10 20 30 40 50 60 70 80 90 100 110 120'
'set ccols 0 77 14 11 37 10 7 23 24 25 26 27 28 29'

'd ave(precipitation,lat=-7,lat=-3)'
'cbarn 1.05 2 4.8 0.5'

'set line 1'
'set string 1 1 10'
'set strsiz 0.16'
'set string 1'

'draw xlab Longitude'
'draw ylab Time'

Hovmoller of Rainfall DJF 2011-2012'
DATA_TA\DATABASE\TRMM\SPASIAL\hov_lontime_2011_2012.gif'

```

