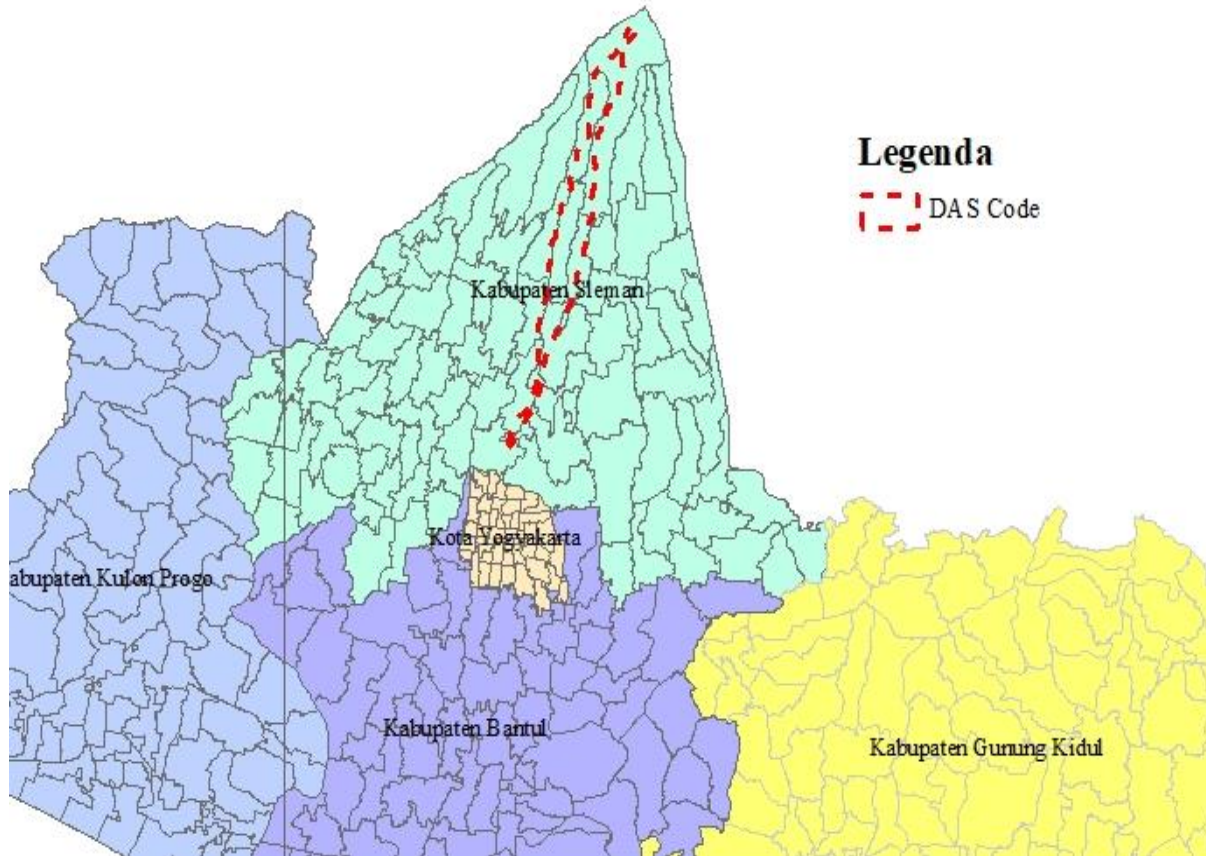
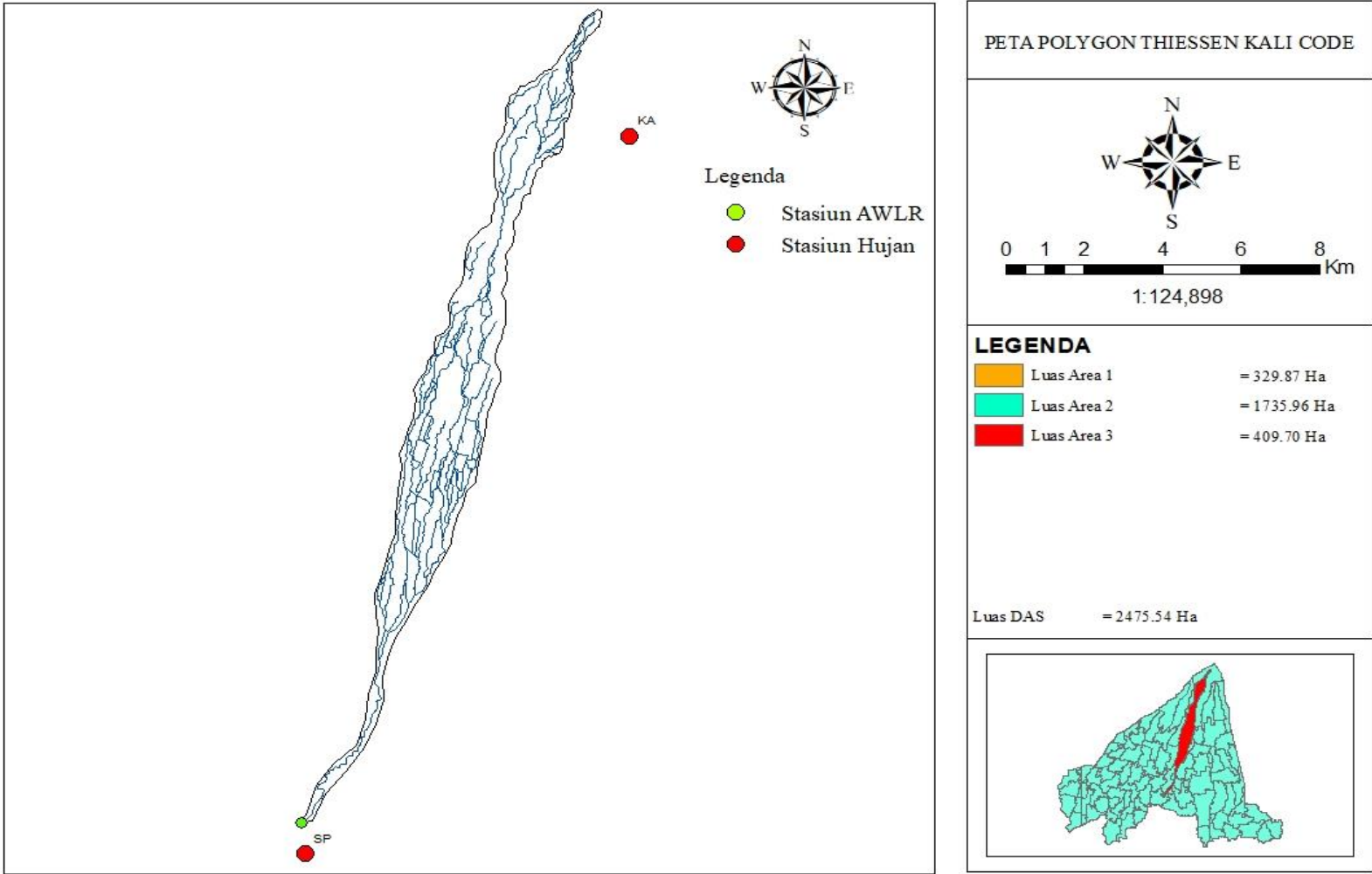


LAMPIRAN

Lampiran 1. Peta Daerah Aliran Sungai Code



Lampiran 2. Peta Poligon Thiessen Sub DAS Progo Hulu



Lampiran 3. Data Hujan Efektif ARR 20 Januari 2017

Date	Time	Automatic Rainfall Recorder (ARR)									
		SP	0.479	KA	0.52	Hujan rata-rata	P kumulatif	Ia kumulatif	Fa kumulatif	Pe kumulatif	Pe/Jam
		Count	P (mm)	Count	P (mm)						
20/01/2017	01:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
20/01/2017	02:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
20/01/2017	03:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
20/01/2017	04:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
20/01/2017	05:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
20/01/2017	06:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
20/01/2017	07:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
20/01/2017	08:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
20/01/2017	09:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
20/01/2017	10:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
20/01/2017	11:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
20/01/2017	12:00:00	1	0.479	9	4.68	3.430	3.430	1.958	1.429	0.043	0.043
20/01/2017	13:00:00	2	0.958	1	0.52	0.650	4.080	1.958	2.034	0.088	0.045
20/01/2017	14:00:00	0	0	4	2.08	1.461	5.541	1.958	3.339	0.244	0.156
20/01/2017	15:00:00	1	0.479	5	2.6	1.969	7.510	1.958	4.986	0.566	0.322
20/01/2017	16:00:00	1	0.479	0	0	0.143	7.653	1.958	5.101	0.594	0.028
20/01/2017	17:00:00	0	0	0	0	0.000	7.653	1.958	5.101	0.594	0.000
20/01/2017	18:00:00	0	0	0	0	0.000	7.653	1.958	5.101	0.594	0.000
20/01/2017	19:00:00	0	0	0	0	0.000	7.653	1.958	5.101	0.594	0.000
20/01/2017	20:00:00	0	0	0	0	0.000	7.653	1.958	5.101	0.594	0.000
20/01/2017	21:00:00	0	0	0	0	0.000	7.653	1.958	5.101	0.594	0.000
20/01/2017	22:00:00	0	0	0	0	0.000	7.653	1.958	5.101	0.594	0.000
20/01/2017	23:00:00	0	0	0	0	0.000	7.653	1.958	5.101	0.594	0.000
21/01/2017	00:00:00	0	0	0	0	0.000	7.653	1.958	5.101	0.594	0.000
21/01/2017	01:00:00	0	0	0	0	0.000	7.653	1.958	5.101	0.594	0.000

21/01/2017	02:00:00	0	0	0	0	0.000	7.653	1.958	5.101	0.594	0.000
21/01/2017	03:00:00	0	0	0	0	0.000	7.653	1.958	5.101	0.594	0.000
21/01/2017	04:00:00	0	0	0	0	0.000	7.653	1.958	5.101	0.594	0.000
21/01/2017	05:00:00	0	0	0	0	0.000	7.653	1.958	5.101	0.594	0.000

Lampiran 4. Data Hujan Efektif TRMM 20 s/d 21 Januari 2017

<i>Tropical Rainfall Measuring Mission (TRMM)</i>									
Date	Time	SP	KA	Hujan rata-rata	P kumulatif	Ia kumulatif	Fa kumulatif	Pe kumulatif	Pe/Jam
		P (mm)	P (mm)						
20/01/2017	01:00:00	0	0	0.000	0.000	0	0	0.000	0.000
20/01/2017	02:00:00	0	0	0.000	0.000	0	0	0.000	0.000
20/01/2017	03:00:00	0	0	0.000	0.000	0	0	0.000	0.000
20/01/2017	04:00:00	0.33798415	0.52457178	0.469	0.469	0.469	0	0.000	0.000
20/01/2017	05:00:00	0.73229894	1.4783386	1.256	1.725	1.725	0	0.000	0.000
20/01/2017	06:00:00	2.47855031	3.52893734	3.216	4.941	1.958	2.812	0.171	0.171
20/01/2017	07:00:00	1.46459797	2.76592398	2.379	7.320	1.958	4.833	0.529	0.358
20/01/2017	08:00:00	1.80258203	1.00145519	1.240	8.560	1.958	5.817	0.785	0.256
20/01/2017	09:00:00	2.98552633	3.52893734	3.367	11.927	1.958	8.282	1.687	0.902
20/01/2017	10:00:00	1.40826717	1.81215698	1.692	13.619	1.958	9.418	2.243	0.556
20/01/2017	11:00:00	1.46459794	1.38296184	1.407	15.026	1.958	10.314	2.754	0.511
20/01/2017	12:00:00	0	0	0.000	15.026	1.958	10.314	2.754	0.000
20/01/2017	13:00:00	0	0	0.000	15.026	1.958	10.314	2.754	0.000
20/01/2017	14:00:00	0	0	0.000	15.026	1.958	10.314	2.754	0.000
20/01/2017	15:00:00	0	0.04768834	0.033	15.059	1.958	10.335	2.766	0.012
20/01/2017	16:00:00	0	0.66763681	0.469	15.528	1.958	10.625	2.945	0.179
20/01/2017	17:00:00	0	0.57226008	0.402	15.930	1.958	10.87	3.102	0.157
20/01/2017	18:00:00	0	1.38296187	0.971	16.901	1.958	11.448	3.495	0.393
20/01/2017	19:00:00	0	1.23989683	0.871	17.772	1.958	11.953	3.861	0.366
20/01/2017	20:00:00	0.3943148	0.52457178	0.486	18.258	1.958	12.228	4.072	0.211
20/01/2017	21:00:00	0.33798413	0.19075338	0.235	18.493	1.958	12.36	4.175	0.103
20/01/2017	22:00:00	0.11266138	0.04768834	0.067	18.560	1.958	12.397	4.205	0.030
20/01/2017	23:00:00	0	0	0.000	18.560	1.958	12.397	4.205	0.000
21/01/2017	00:00:00	0	0	0.000	18.560	1.958	12.397	4.205	0.000
21/01/2017	01:00:00	0	0	0.000	18.560	1.958	12.397	4.205	0.000

21/01/2017	02:00:00	0	0	0.000	18.560	1.958	12.397	4.205	0.000
21/01/2017	03:00:00	0	0	0.000	18.560	1.958	12.397	4.205	0.000
21/01/2017	04:00:00	0	0	0.000	18.560	1.958	12.397	4.205	0.000
21/01/2017	05:00:00	0	0	0.000	18.560	1.958	12.397	4.205	0.000

Lampiran 5. Data Hujan Efektif ARR 16 s/d 17 Maret 2017

Date	Time	Automatic Rainfall Recorder (ARR)									
		SP	0.479	KA	0.52	Hujan rata- rata	P kumulatif	Ia kumulatif	Fa kumulatif	Pe kumulatif	Pe/Jam
		Count	P (mm)	Count	P (mm)						
16/03/2017	01:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
16/03/2017	02:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
16/03/2017	03:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
16/03/2017	04:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
16/03/2017	05:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
16/03/2017	06:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
16/03/2017	07:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
16/03/2017	08:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
16/03/2017	09:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
16/03/2017	10:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
16/03/2017	11:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
16/03/2017	12:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
16/03/2017	13:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
16/03/2017	14:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
16/03/2017	15:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
16/03/2017	16:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
16/03/2017	17:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
16/03/2017	18:00:00	35	16.765	35	18.2	17.773	17.773	1.958	11.953	3.862	3.862
16/03/2017	19:00:00	11	5.269	11	5.72	5.586	23.359	1.958	14.891	6.510	2.648
16/03/2017	20:00:00	0	0	0	0	0.000	23.359	1.958	14.891	6.510	0.000
16/03/2017	21:00:00	0	0	0	0	0.000	23.359	1.958	14.891	6.510	0.000
16/03/2017	22:00:00	0	0	0	0	0.000	23.359	1.958	14.891	6.510	0.000
16/03/2017	23:00:00	0	0	0	0	0.000	23.359	1.958	14.891	6.510	0.000
17/03/2017	00:00:00	1	0.479	1	0.52	0.508	23.867	1.958	15.135	6.774	0.264
17/03/2017	01:00:00	0	0	0	0	0.000	23.867	1.958	15.135	6.774	0.000

17/03/2017	02:00:00	0	0	0	0	0.000	23.867	1.958	15.135	6.774	0.000
17/03/2017	03:00:00	0	0	0	0	0.000	23.867	1.958	15.135	6.774	0.000
17/03/2017	04:00:00	0	0	0	0	0.000	23.867	1.958	15.135	6.774	0.000
17/03/2017	05:00:00	0	0	0	0	0.000	23.867	1.958	15.135	6.774	0.000
17/03/2017	06:00:00	0	0	0	0	0.000	23.867	1.958	15.135	6.774	0.000

Lampiran 6. Data Hujan Efektif TRMM 16 s/d 17 Maret 2017

<i>Tropical Rainfall Measuring Mission (TRMM)</i>									
Date	Time	SP	KA	Hujan rata-rata	P kumulatif	Ia kumulatif	Fa kumulatif	Pe kumulatif	Pe/Jam
		P (mm)	P (mm)						
16/03/2017	01:00:00	0	0	0.000	0.000	0	0	0.000	0.000
16/03/2017	02:00:00	0	0	0.000	0.000	0	0	0.000	0.000
16/03/2017	03:00:00	0	0	0.000	0.000	0	0	0.000	0.000
16/03/2017	04:00:00	0	0	0.000	0.000	0	0	0.000	0.000
16/03/2017	05:00:00	0	0	0.000	0.000	0	0	0.000	0.000
16/03/2017	06:00:00	0	0	0.000	0.000	0	0	0.000	0.000
16/03/2017	07:00:00	0	0	0.000	0.000	0	0	0.000	0.000
16/03/2017	08:00:00	0	0.04688018	0.033	0.033	0.033	0	0.000	0.000
16/03/2017	09:00:00	0	1.87520717	1.317	1.350	1.35	0	0.000	0.000
16/03/2017	10:00:00	5.31455016	3.00033164	3.689	5.039	1.958	2.898	0.183	0.183
16/03/2017	11:00:00	7.08606696	5.6256218	6.060	11.099	1.958	7.703	1.438	1.255
16/03/2017	12:00:00	5.54764438	8.20403194	7.413	18.512	1.958	12.371	4.183	2.745
16/03/2017	13:00:00	4.9882183	4.64113784	4.744	23.256	1.958	14.841	6.457	2.274
16/03/2017	14:00:00	0	0	0.000	23.256	1.958	14.841	6.457	0.000
16/03/2017	15:00:00	0	0	0.000	23.256	1.958	14.841	6.457	0.000
16/03/2017	16:00:00	0	0	0.000	23.256	1.958	14.841	6.457	0.000
16/03/2017	17:00:00	0	0	0.000	23.256	1.958	14.841	6.457	0.000
16/03/2017	18:00:00	0	0	0.000	23.256	1.958	14.841	6.457	0.000
16/03/2017	19:00:00	0	0	0.000	23.256	1.958	14.841	6.457	0.000
16/03/2017	20:00:00	0	0	0.000	23.256	1.958	14.841	6.457	0.000
16/03/2017	21:00:00	0	0	0.000	23.256	1.958	14.841	6.457	0.000
16/03/2017	22:00:00	0	0	0.000	23.256	1.958	14.841	6.457	0.000
16/03/2017	23:00:00	0	0	0.000	23.256	1.958	14.841	6.457	0.000
17/03/2017	00:00:00	0	0	0.000	23.256	1.958	14.841	6.457	0.000
17/03/2017	01:00:00	0	0	0.000	23.256	1.958	14.841	6.457	0.000

17/03/2017	02:00:00	0	0	0.000	23.256	1.958	14.841	6.457	0.000
17/03/2017	03:00:00	0	0	0.000	23.256	1.958	14.841	6.457	0.000
17/03/2017	04:00:00	0	0	0.000	23.256	1.958	14.841	6.457	0.000
17/03/2017	05:00:00	0	0	0.000	23.256	1.958	14.841	6.457	0.000
17/03/2017	06:00:00	0	0	0.000	23.256	1.958	14.841	6.457	0.000

Lampiran 7. Data Hujan Efektif ARR 26 s/d 27 November 2017

<i>Automatic Rainfall Recorder (ARR)</i>											
Date	Time	SP	0.479	KA	0.52	Hujan rata-rata	P kumulatif	Ia kumulatif	Fa kumulatif	Pe kumulatif	Pe/Jam
		Count	P (mm)	Count	P (mm)						
26/11/2017	01:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
26/11/2017	02:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
26/11/2017	03:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
26/11/2017	04:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
26/11/2017	05:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
26/11/2017	06:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
26/11/2017	07:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
26/11/2017	08:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
26/11/2017	09:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
26/11/2017	10:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
26/11/2017	11:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
26/11/2017	12:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
26/11/2017	13:00:00	0	0	2	1.04	0.730	0.730	0.73	0	0.000	0.000
26/11/2017	14:00:00	0	0	8	4.16	2.922	3.652	1.958	1.637	0.057	0.057
26/11/2017	15:00:00	49	23.471	5	2.6	8.812	12.464	1.958	8.65	1.856	1.799
26/11/2017	16:00:00	3	1.437	1	0.52	0.793	13.257	1.958	9.18	2.119	0.263
26/11/2017	17:00:00	6	2.874	0	0	0.855	14.112	1.958	9.737	2.417	0.298
26/11/2017	18:00:00	1	0.479	0	0	0.143	14.255	1.958	9.828	2.469	0.052
26/11/2017	19:00:00	0	0	1	0.52	0.365	14.620	1.958	10.06	2.602	0.133
26/11/2017	20:00:00	0	0	0	0	0.000	14.620	1.958	10.06	2.602	0.000
26/11/2017	21:00:00	0	0	0	0	0.000	14.620	1.958	10.06	2.602	0.000
26/11/2017	22:00:00	0	0	0	0	0.000	14.620	1.958	10.06	2.602	0.000
26/11/2017	23:00:00	0	0	0	0	0.000	14.620	1.958	10.06	2.602	0.000
27/11/2017	00:00:00	0	0	0	0	0.000	14.620	1.958	10.06	2.602	0.000
27/11/2017	01:00:00	0	0	0	0	0.000	14.620	1.958	10.06	2.602	0.000

27/11/2017	02:00:00	0	0	0	0	0.000	14.620	1.958	10.06	2.602	0.000
27/11/2017	03:00:00	0	0	0	0	0.000	14.620	1.958	10.06	2.602	0.000
27/11/2017	04:00:00	0	0	0	0	0.000	14.620	1.958	10.06	2.602	0.000
27/11/2017	05:00:00	0	0	0	0	0.000	14.620	1.958	10.06	2.602	0.000
27/11/2017	06:00:00	1	0.479	0	0	0.143	14.763	1.958	10.15	2.655	0.053
27/11/2017	07:00:00	0	0	0	0	0.000	14.763	1.958	10.15	2.655	0.000
27/11/2017	08:00:00	0	0	0	0	0.000	14.763	1.958	10.15	2.655	0.000

Lampiran 8. Data Hujan Efektif TRMM 26 s/d 27 November 2017

<i>Tropical Rainfall Measuring Mission (TRMM)</i>									
Date	Time	SP	KA	Hujan rata-rata	P kumulatif	Ia kumulatif	Fa kumulatif	Pe kumulatif	Pe/Jam
		P (mm)	P (mm)						
26/11/2017	01:00:00	0	0	0.000	0.000	0	0	0.000	0.000
26/11/2017	02:00:00	0	0	0.000	0.000	0	0	0.000	0.000
26/11/2017	03:00:00	0	0.062357	0.044	0.044	0.044	0	0.000	0.000
26/11/2017	04:00:00	0	0.18707101	0.131	0.175	0.175	0	0.000	0.000
26/11/2017	05:00:00	0	0.56121303	0.394	0.569	0.569	0	0.000	0.000
26/11/2017	06:00:00	0	1.55892509	1.095	1.664	1.664	0	0.000	0.000
26/11/2017	07:00:00	2.6965065	7.54519773	6.102	7.766	1.958	5.192	0.616	0.616
26/11/2017	08:00:00	2.57108748	4.48970413	3.919	11.685	1.958	8.115	1.612	0.996
26/11/2017	09:00:00	1.19147956	4.11556232	3.245	14.930	1.958	10.255	2.717	1.105
26/11/2017	10:00:00	0.50167564	2.18249511	1.682	16.612	1.958	11.278	3.376	0.659
26/11/2017	11:00:00	0	0.68592702	0.482	17.094	1.958	11.561	3.575	0.199
26/11/2017	12:00:00	0	0	0.000	17.094	1.958	11.561	3.575	0.000
26/11/2017	13:00:00	0	0.12471401	0.088	17.182	1.958	11.612	3.612	0.037
26/11/2017	14:00:00	0	0	0.000	17.182	1.958	11.612	3.612	0.000
26/11/2017	15:00:00	0	0	0.000	17.182	1.958	11.612	3.612	0.000
26/11/2017	16:00:00	0	0	0.000	17.182	1.958	11.612	3.612	0.000
26/11/2017	17:00:00	0.06270945	0	0.019	17.201	1.958	11.624	3.619	0.007
26/11/2017	18:00:00	0.1254189	0	0.037	17.238	1.958	11.645	3.635	0.016
26/11/2017	19:00:00	0.75251341	0	0.224	17.462	1.958	11.775	3.729	0.094
26/11/2017	20:00:00	0.62709451	0	0.187	17.649	1.958	11.882	3.809	0.080
26/11/2017	21:00:00	0.68980399	0	0.205	17.854	1.958	11.999	3.897	0.088
26/11/2017	22:00:00	0.31354727	0	0.093	17.947	1.958	12.052	3.937	0.040
26/11/2017	23:00:00	0.06270945	0	0.019	17.966	1.958	12.063	3.945	0.008
27/11/2017	00:00:00	0	0	0.000	17.966	1.958	12.063	3.945	0.000
27/11/2017	01:00:00	0	0	0.000	17.966	1.958	12.063	3.945	0.000

27/11/2017	02:00:00	0	0	0.000	17.966	1.958	12.063	3.945	0.000
27/11/2017	03:00:00	0.31354727	0.31178501	0.312	18.278	1.958	12.239	4.081	0.136
27/11/2017	04:00:00	1.25418907	0	0.373	18.651	1.958	12.448	4.245	0.164
27/11/2017	05:00:00	3.26089131	0	0.971	19.622	1.958	12.98	4.684	0.439
27/11/2017	06:00:00	6.70991135	0	1.997	21.619	1.958	14.027	5.634	0.950
27/11/2017	07:00:00	6.58449221	2.05778115	3.405	25.024	1.958	15.678	7.388	1.754
27/11/2017	08:00:00	3.51172936	0.99771205	1.746	26.770	1.958	16.466	8.346	0.958

Lampiran 9. Data Hujan Efektif ARR 16 s/d 17 Januari 2018

<i>Automatic Rainfall Recorder (ARR)</i>											
Date	Time	SP	0.479	KA	0.52	Hujan rata- rata	P kumulatif	Ia kumulatif	Fa kumulatif	Pe kumulatif	Pe/Jam
		Count	P (mm)	Count	P (mm)						
16/01/2018	01:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
16/01/2018	02:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
16/01/2018	03:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
16/01/2018	04:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
16/01/2018	05:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
16/01/2018	06:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
16/01/2018	07:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
16/01/2018	08:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
16/01/2018	09:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
16/01/2018	10:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
16/01/2018	11:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
16/01/2018	12:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
16/01/2018	13:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
16/01/2018	14:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
16/01/2018	15:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
16/01/2018	16:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
16/01/2018	17:00:00	18	8.622	3	1.56	3.662	3.662	1.958	1.647	0.057	0.057
16/01/2018	18:00:00	23	11.017	4	2.08	4.740	8.402	1.958	5.694	0.750	0.693
16/01/2018	19:00:00	43	20.597	10	5.2	9.783	18.185	1.958	12.187	4.040	3.290
16/01/2018	20:00:00	2	0.958	5	2.6	2.111	20.296	1.958	13.34	4.998	0.958
16/01/2018	21:00:00	6	2.874	3	1.56	1.951	22.247	1.958	14.344	5.945	0.947
16/01/2018	22:00:00	6	2.874	2	1.04	1.586	23.833	1.958	15.119	6.756	0.811
16/01/2018	23:00:00	2	0.958	0	0	0.285	24.118	1.958	15.254	6.906	0.150
17/01/2018	00:00:00	1	0.479	0	0	0.143	24.261	1.958	15.322	6.981	0.075
17/01/2018	01:00:00	0	0	0	0	0.000	24.261	1.958	15.322	6.981	0.000

17/01/2018	02:00:00	0	0	0	0	0.000	24.261	1.958	15.322	6.981	0.000
17/01/2018	03:00:00	0	0	0	0	0.000	24.261	1.958	15.322	6.981	0.000
17/01/2018	04:00:00	0	0	0	0	0.000	24.261	1.958	15.322	6.981	0.000
17/01/2018	05:00:00	0	0	0	0	0.000	24.261	1.958	15.322	6.981	0.000
17/01/2018	06:00:00	0	0	0	0	0.000	24.261	1.958	15.322	6.981	0.000
17/01/2018	07:00:00	0	0	0	0	0.000	24.261	1.958	15.322	6.981	0.000
17/01/2018	08:00:00	0	0	0	0	0.000	24.261	1.958	15.322	6.981	0.000
17/01/2018	09:00:00	0	0	0	0	0.000	24.261	1.958	15.322	6.981	0.000
17/01/2018	10:00:00	0	0	0	0	0.000	24.261	1.958	15.322	6.981	0.000

Lampiran 10. Data Hujan Efektif TRMM 16 s/d 17 Januari 2018

<i>Tropical Rainfall Measuring Mission (TRMM)</i>									
Date	Time	SP	KA	Hujan rata-rata	P kumulatif	Ia kumulatif	Fa kumulatif	Pe kumulatif	Pe/Jam
		P (mm)	P (mm)						
16/01/2018	01:00:00	0	0.33110116	0.233	0.233	0.233	0	0.000	0.000
16/01/2018	02:00:00	0	0	0.000	0.233	0.233	0	0.000	0.000
16/01/2018	03:00:00	0	0	0.000	0.233	0.233	0	0.000	0.000
16/01/2018	04:00:00	0	0	0.000	0.233	0.233	0	0.000	0.000
16/01/2018	05:00:00	0	0	0.000	0.233	0.233	0	0.000	0.000
16/01/2018	06:00:00	0	0.04138764	0.029	0.262	0.262	0	0.000	0.000
16/01/2018	07:00:00	0	0.9105282	0.640	0.902	0.902	0	0.000	0.000
16/01/2018	08:00:00	0.89273793	2.4832586	2.010	2.912	1.958	0.936	0.018	0.018
16/01/2018	09:00:00	0.14878966	7.03589952	4.986	7.898	1.958	5.297	0.643	0.625
16/01/2018	10:00:00	3.76933801	6.45647264	5.657	13.555	1.958	9.376	2.221	1.578
16/01/2018	11:00:00	8.58020401	11.5885406	10.693	24.248	1.958	15.316	6.974	4.753
16/01/2018	12:00:00	25.8398037	7.44977594	12.923	37.171	1.958	20.481	14.732	7.758
16/01/2018	13:00:00	9.2745552	6.20814705	7.121	44.292	1.958	22.702	19.632	4.900
16/01/2018	14:00:00	8.77858972	1.82105644	3.892	48.184	1.958	23.775	22.451	2.819
16/01/2018	15:00:00	6.00118279	0.33110116	2.019	50.203	1.958	24.298	23.947	1.496
16/01/2018	16:00:00	2.77740693	0.12416293	0.914	51.117	1.958	24.528	24.631	0.684
16/01/2018	17:00:00	1.0415276	0.08277529	0.368	51.485	1.958	24.619	24.908	0.277
16/01/2018	18:00:00	0	0	0.000	51.485	1.958	24.619	24.908	0.000
16/01/2018	19:00:00	0	0	0.000	51.485	1.958	24.619	24.908	0.000
16/01/2018	20:00:00	0	0	0.000	51.485	1.958	24.619	24.908	0.000
16/01/2018	21:00:00	0	0	0.000	51.485	1.958	24.619	24.908	0.000
16/01/2018	22:00:00	0	0	0.000	51.485	1.958	24.619	24.908	0.000
16/01/2018	23:00:00	0	0	0.000	51.485	1.958	24.619	24.908	0.000
17/01/2018	00:00:00	0	0	0.000	51.485	1.958	24.619	24.908	0.000
17/01/2018	01:00:00	0	0.04138764	0.029	51.514	1.958	24.626	24.930	0.022

17/01/2018	02:00:00	0	0	0.000	51.514	1.958	24.626	24.930	0.000
17/01/2018	03:00:00	0	0	0.000	51.514	1.958	24.626	24.930	0.000
17/01/2018	04:00:00	0	0	0.000	51.514	1.958	24.626	24.930	0.000
17/01/2018	05:00:00	0	0	0.000	51.514	1.958	24.626	24.930	0.000
17/01/2018	06:00:00	0	0	0.000	51.514	1.958	24.626	24.930	0.000
17/01/2018	07:00:00	0	0	0.000	51.514	1.958	24.626	24.930	0.000
17/01/2018	08:00:00	0	0	0.000	51.514	1.958	24.626	24.930	0.000
17/01/2018	09:00:00	0	1.0760788	0.756	52.270	1.958	24.811	25.501	0.571
17/01/2018	10:00:00	0.29757932	0.08277529	0.147	52.417	1.958	24.847	25.612	0.111

Lampiran 11. Data Hujan Efektif ARR 18 Januari 2018

<i>Automatic Rainfall Recorder (ARR)</i>											
Date	Time	SP	0.479	KA	0.52	Hujan rata- rata	P kumulatif	Ia kumulatif	Fa kumulatif	Pe kumulatif	Pe/Jam
		Count	P (mm)	Count	P (mm)						
18/01/2018	01:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
18/01/2018	02:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
18/01/2018	03:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
18/01/2018	04:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
18/01/2018	05:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
18/01/2018	06:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
18/01/2018	07:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
18/01/2018	08:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
18/01/2018	09:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
18/01/2018	10:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
18/01/2018	11:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
18/01/2018	12:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
18/01/2018	13:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
18/01/2018	14:00:00	0	0	8	4.16	2.922	2.922	1.958	0.945	0.019	0.019
18/01/2018	15:00:00	2	0.958	0	0	0.285	3.207	1.958	1.218	0.031	0.012
18/01/2018	16:00:00	3	1.437	1	0.52	0.793	4.000	1.958	1.96	0.082	0.051
18/01/2018	17:00:00	123	58.917	5	2.6	19.362	23.362	1.958	14.892	6.512	6.430
18/01/2018	18:00:00	16	7.664	10	5.2	5.933	29.295	1.958	17.541	9.796	3.284
18/01/2018	19:00:00	24	11.496	7	3.64	5.978	35.273	1.958	19.824	13.491	3.695
18/01/2018	20:00:00	0	0	7	3.64	2.557	37.830	1.958	20.702	15.170	1.679
18/01/2018	21:00:00	0	0	3	1.56	1.096	38.926	1.958	21.062	15.906	0.736
18/01/2018	22:00:00	0	0	0	0	0.000	38.926	1.958	21.062	15.906	0.000
18/01/2018	23:00:00	0	0	0	0	0.000	38.926	1.958	21.062	15.906	0.000
18/01/2018	00:00:00	0	0	0	0	0.000	38.926	1.958	21.062	15.906	0.000

Lampiran 12. Data Hujan Efektif TRMM 18 Januari 2018

<i>Tropical Rainfall Measuring Mission (TRMM)</i>									
Date	Time	SP	KA	Hujan rata-rata	P kumulatif	Ia kumulatif	Fa kumulatif	Pe kumulatif	Pe/Jam
		P (mm)	P (mm)						
18/01/2018	01:00:00	0	0	0.000	0.000	0	0	0.000	0.000
18/01/2018	02:00:00	0	0	0.000	0.000	0	0	0.000	0.000
18/01/2018	03:00:00	0	0	0.000	0.000	0	0	0.000	0.000
18/01/2018	04:00:00	0.19838621	0.12416293	0.146	0.146	0.146	0	0.000	0.000
18/01/2018	05:00:00	1.68628275	1.82105634	1.781	1.927	1.927	0	0.000	0.000
18/01/2018	06:00:00	0	0.49665172	0.349	2.276	1.958	0.316	0.002	0.002
18/01/2018	07:00:00	1.48789659	1.65550577	1.606	3.882	1.958	1.851	0.073	0.071
18/01/2018	08:00:00	6.19956923	2.69019693	3.735	7.617	1.958	5.073	0.586	0.513
18/01/2018	09:00:00	4.61247933	3.64211273	3.931	11.548	1.958	8.019	1.571	0.985
18/01/2018	10:00:00	6.89392066	5.62871981	6.005	17.553	1.958	11.827	3.768	2.197
18/01/2018	11:00:00	7.98504471	6.12537146	6.679	24.232	1.958	15.308	6.966	3.198
18/01/2018	12:00:00	5.95158601	5.95982075	5.957	30.189	1.958	17.905	10.326	3.360
18/01/2018	13:00:00	3.37256563	5.38039399	4.783	34.972	1.958	19.717	13.297	2.971
18/01/2018	14:00:00	1.28951037	2.40048343	2.070	37.042	1.958	20.437	14.647	1.350
18/01/2018	15:00:00	0.44636898	1.53134286	1.208	38.250	1.958	20.841	15.451	0.804
18/01/2018	16:00:00	1.23991382	2.64880926	2.229	40.479	1.958	21.557	16.964	1.513
18/01/2018	17:00:00	0.19838621	0.70358998	0.553	41.032	1.958	21.729	17.345	0.381
18/01/2018	18:00:00	0	0	0.000	41.032	1.958	21.729	17.345	0.000
18/01/2018	19:00:00	0	0	0.000	41.032	1.958	21.729	17.345	0.000
18/01/2018	20:00:00	0	0	0.000	41.032	1.958	21.729	17.345	0.000
18/01/2018	21:00:00	0	0	0.000	41.032	1.958	21.729	17.345	0.000
18/01/2018	22:00:00	0	0	0.000	41.032	1.958	21.729	17.345	0.000
18/01/2018	23:00:00	0	0	0.000	41.032	1.958	21.729	17.345	0.000
18/01/2018	00:00:00	1.48789656	0	0.443	41.475	1.958	21.866	17.651	0.306

Lampiran 13. Data Hujan Efektif ARR 22 s/d 23 Januari 2018

<i>Automatic Rainfall Recorder (ARR)</i>											
Date	Time	SP	0.479	KA	0.52	Hujan rata-rata	P kumulatif	Ia kumulatif	Fa kumulatif	Pe kumulatif	Pe/Jam
		Count	P (mm)	Count	P (mm)						
22/01/2018	01:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
22/01/2018	02:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
22/01/2018	03:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
22/01/2018	04:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
22/01/2018	05:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
22/01/2018	06:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
22/01/2018	07:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
22/01/2018	08:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
22/01/2018	09:00:00	1	0.479	0	0	0.143	0.143	0.143	0	0.000	0.000
22/01/2018	10:00:00	0	0	0	0	0.000	0.143	0.143	0	0.000	0.000
22/01/2018	11:00:00	0	0	0	0	0.000	0.143	0.143	0	0.000	0.000
22/01/2018	12:00:00	0	0	0	0	0.000	0.143	0.143	0	0.000	0.000
22/01/2018	13:00:00	39	18.681	6	3.12	7.751	7.894	1.958	5.294	0.642	0.642
22/01/2018	14:00:00	56	26.824	5	2.6	9.810	17.704	1.958	11.914	3.832	3.190
22/01/2018	15:00:00	3	1.437	5	2.6	2.254	19.958	1.958	13.161	4.839	1.007
22/01/2018	16:00:00	0	0	4	2.08	1.461	21.419	1.958	13.925	5.536	0.697
22/01/2018	17:00:00	2	0.958	1	0.52	0.650	22.069	1.958	14.255	5.856	0.320
22/01/2018	18:00:00	1	0.479	1	0.52	0.508	22.577	1.958	14.508	6.111	0.255
22/01/2018	19:00:00	0	0	0	0	0.000	22.577	1.958	14.508	6.111	0.000
22/01/2018	20:00:00	0	0	0	0	0.000	22.577	1.958	14.508	6.111	0.000
22/01/2018	21:00:00	0	0	0	0	0.000	22.577	1.958	14.508	6.111	0.000
22/01/2018	22:00:00	0	0	0	0	0.000	22.577	1.958	14.508	6.111	0.000
22/01/2018	23:00:00	0	0	0	0	0.000	22.577	1.958	14.508	6.111	0.000
23/01/2018	00:00:00	0	0	0	0	0.000	22.577	1.958	14.508	6.111	0.000
23/01/2018	01:00:00	0	0	0	0	0.000	22.577	1.958	14.508	6.111	0.000

23/01/2018	02:00:00	0	0	0	0	0.000	22.577	1.958	14.508	6.111	0.000
23/01/2018	03:00:00	0	0	0	0	0.000	22.577	1.958	14.508	6.111	0.000
23/01/2018	04:00:00	0	0	0	0	0.000	22.577	1.958	14.508	6.111	0.000
23/01/2018	05:00:00	0	0	0	0	0.000	22.577	1.958	14.508	6.111	0.000
23/01/2018	06:00:00	0	0	0	0	0.000	22.577	1.958	14.508	6.111	0.000
23/01/2018	07:00:00	0	0	0	0	0.000	22.577	1.958	14.508	6.111	0.000
23/01/2018	08:00:00	0	0	0	0	0.000	22.577	1.958	14.508	6.111	0.000

Lampiran 14. Data Hujan Efektif TRMM 22 s/d 23 Januari 2018

<i>Tropical Rainfall Measuring Mission (TRMM)</i>									
Date	Time	SP	KA	Hujan rata-rata	P kumulatif	Ia kumulatif	Fa kumulatif	Pe kumulatif	Pe/Jam
		P (mm)	P (mm)						
22/01/2018	01:00:00	0.04959655	0	0.015	0.015	0.015	0	0.000	0.000
22/01/2018	02:00:00	0	0	0.000	0.015	0.015	0	0.000	0.000
22/01/2018	03:00:00	0	0	0.000	0.015	0.015	0	0.000	0.000
22/01/2018	04:00:00	0	0.04138764	0.029	0.044	0.044	0	0.000	0.000
22/01/2018	05:00:00	0	0.66220231	0.465	0.509	0.509	0	0.000	0.000
22/01/2018	06:00:00	0.0991931	4.05598914	2.878	3.387	1.958	1.388	0.041	0.041
22/01/2018	07:00:00	0.39677241	8.44307971	6.048	9.435	1.958	6.486	0.991	0.950
22/01/2018	08:00:00	2.03345865	5.87704563	4.733	14.168	1.958	9.772	2.438	1.447
22/01/2018	09:00:00	17.8547592	10.0985856	12.407	26.575	1.958	16.38	8.237	5.799
22/01/2018	10:00:00	12.4983311	7.40838861	8.923	35.498	1.958	19.903	13.637	5.400
22/01/2018	11:00:00	6.79472757	7.07728744	6.993	42.491	1.958	22.173	18.360	4.723
22/01/2018	12:00:00	1.9838621	5.25623107	4.282	46.773	1.958	23.396	21.419	3.059
22/01/2018	13:00:00	3.22377587	2.02799458	2.384	49.157	1.958	24.03	23.169	1.750
22/01/2018	14:00:00	1.23991379	0.12416294	0.456	49.613	1.958	24.147	23.508	0.339
22/01/2018	15:00:00	0	0	0.000	49.613	1.958	24.147	23.508	0.000
22/01/2018	16:00:00	0	0	0.000	49.613	1.958	24.147	23.508	0.000
22/01/2018	17:00:00	0.04959655	0	0.015	49.628	1.958	24.151	23.519	0.011
22/01/2018	18:00:00	0	0	0.000	49.628	1.958	24.151	23.519	0.000
22/01/2018	19:00:00	0	0	0.000	49.628	1.958	24.151	23.519	0.000
22/01/2018	20:00:00	0	0	0.000	49.628	1.958	24.151	23.519	0.000
22/01/2018	21:00:00	0	0	0.000	49.628	1.958	24.151	23.519	0.000
22/01/2018	22:00:00	0	0	0.000	49.628	1.958	24.151	23.519	0.000
22/01/2018	23:00:00	0	0	0.000	49.628	1.958	24.151	23.519	0.000
23/01/2018	00:00:00	0	0	0.000	49.628	1.958	24.151	23.519	0.000
23/01/2018	01:00:00	0	0	0.000	49.628	1.958	24.151	23.519	0.000

23/01/2018	02:00:00	0	0	0.000	49.628	1.958	24.151	23.519	0.000
23/01/2018	03:00:00	0	0	0.000	49.628	1.958	24.151	23.519	0.000
23/01/2018	04:00:00	0	0	0.000	49.628	1.958	24.151	23.519	0.000
23/01/2018	05:00:00	2.57902076	0.20693822	0.913	50.541	1.958	24.383	24.200	0.681
23/01/2018	06:00:00	2.97579312	0	0.886	51.427	1.958	24.605	24.864	0.664
23/01/2018	07:00:00	3.07498622	2.69019687	2.805	54.232	1.958	25.279	26.995	2.131
23/01/2018	08:00:00	3.07498628	2.15215748	2.427	56.659	1.958	25.834	28.867	1.872

Lampiran 15. Data Hujan Efektif ARR 02 s/d 03 Februari 2018

<i>Automatic Rainfall Recorder (ARR)</i>											
Date	Time	SP	0.479	KA	0.52	Hujan rata- rata	P kumulatif	Ia kumulatif	Fa kumulatif	Pe kumulatif	Pe/Jam
		Count	P (mm)	Count	P (mm)						
02/02/2018	01:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
02/02/2018	02:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
02/02/2018	03:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
02/02/2018	04:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
02/02/2018	05:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
02/02/2018	06:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
02/02/2018	07:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
02/02/2018	08:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
02/02/2018	09:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
02/02/2018	10:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
02/02/2018	11:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
02/02/2018	12:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
02/02/2018	13:00:00	0	0	8	4.16	2.922	2.922	1.958	0.945	0.019	0.019
02/02/2018	14:00:00	0	0	27	14.04	9.861	12.783	1.958	8.865	1.960	1.941
02/02/2018	15:00:00	27	12.933	23	11.96	12.250	25.033	1.958	15.683	7.392	5.432
02/02/2018	16:00:00	0	0	0	0	0.000	25.033	1.958	15.683	7.392	0.000
02/02/2018	17:00:00	0	0	0	0	0.000	25.033	1.958	15.683	7.392	0.000
02/02/2018	18:00:00	0	0	0	0	0.000	25.033	1.958	15.683	7.392	0.000
02/02/2018	19:00:00	0	0	0	0	0.000	25.033	1.958	15.683	7.392	0.000
02/02/2018	20:00:00	0	0	0	0	0.000	25.033	1.958	15.683	7.392	0.000
02/02/2018	21:00:00	0	0	0	0	0.000	25.033	1.958	15.683	7.392	0.000
02/02/2018	22:00:00	0	0	0	0	0.000	25.033	1.958	15.683	7.392	0.000
02/02/2018	23:00:00	0	0	0	0	0.000	25.033	1.958	15.683	7.392	0.000
03/02/2018	00:00:00	0	0	0	0	0.000	25.033	1.958	15.683	7.392	0.000
03/02/2018	01:00:00	0	0	0	0	0.000	25.033	1.958	15.683	7.392	0.000

03/02/2018	02:00:00	0	0	0	0	0.000	25.033	1.958	15.683	7.392	0.000
03/02/2018	03:00:00	0	0	0	0	0.000	25.033	1.958	15.683	7.392	0.000
03/02/2018	04:00:00	0	0	0	0	0.000	25.033	1.958	15.683	7.392	0.000

Lampiran 16. Data Hujan Efektif TRMM 02 s/d 03 Februari 2018

<i>Tropical Rainfall Measuring Mission (TRMM)</i>									
Date	Time	SP	KA	Hujan rata-rata	P kumulatif	Ia kumulatif	Fa kumulatif	Pe kumulatif	Pe/Jam
		P (mm)	P (mm)						
02/02/2018	01:00:00	0	0	0.000	0.000	0	0	0.000	0.000
02/02/2018	02:00:00	0	0	0.000	0.000	0	0	0.000	0.000
02/02/2018	03:00:00	0	0	0.000	0.000	0	0	0.000	0.000
02/02/2018	04:00:00	0	4.28434786	3.009	3.009	1.958	1.029	0.022	0.022
02/02/2018	05:00:00	0	1.01266408	0.711	3.720	1.958	1.701	0.061	0.039
02/02/2018	06:00:00	0	2.18112254	1.532	5.252	1.958	3.086	0.208	0.147
02/02/2018	07:00:00	0.24212518	9.11397648	6.473	11.725	1.958	8.142	1.625	1.417
02/02/2018	08:00:00	1.33168846	15.1120639	11.011	22.736	1.958	14.587	6.191	4.566
02/02/2018	09:00:00	1.33168855	4.59593666	3.624	26.360	1.958	16.284	8.118	1.927
02/02/2018	10:00:00	0.36318779	0.62317789	0.546	26.906	1.958	16.526	8.422	0.304
02/02/2018	11:00:00	0	0.07789724	0.055	26.961	1.958	16.55	8.453	0.031
02/02/2018	12:00:00	0	0.23369171	0.164	27.125	1.958	16.622	8.545	0.092
02/02/2018	13:00:00	0	0	0.000	27.125	1.958	16.622	8.545	0.000
02/02/2018	14:00:00	0	0	0.000	27.125	1.958	16.622	8.545	0.000
02/02/2018	15:00:00	0	0	0.000	27.125	1.958	16.622	8.545	0.000
02/02/2018	16:00:00	0	0	0.000	27.125	1.958	16.622	8.545	0.000
02/02/2018	17:00:00	0	0	0.000	27.125	1.958	16.622	8.545	0.000
02/02/2018	18:00:00	0	0	0.000	27.125	1.958	16.622	8.545	0.000
02/02/2018	19:00:00	0	0	0.000	27.125	1.958	16.622	8.545	0.000
02/02/2018	20:00:00	0	0	0.000	27.125	1.958	16.622	8.545	0.000
02/02/2018	21:00:00	0	0	0.000	27.125	1.958	16.622	8.545	0.000
02/02/2018	22:00:00	0	0	0.000	27.125	1.958	16.622	8.545	0.000
02/02/2018	23:00:00	0	0	0.000	27.125	1.958	16.622	8.545	0.000
03/02/2018	00:00:00	0	0	0.000	27.125	1.958	16.622	8.545	0.000
03/02/2018	01:00:00	0	0	0.000	27.125	1.958	16.622	8.545	0.000

03/02/2018	02:00:00	0	0	0.000	27.125	1.958	16.622	8.545	0.000
03/02/2018	03:00:00	0	0.23369171	0.164	27.289	1.958	16.693	8.638	0.093
03/02/2018	04:00:00	1.21062595	0	0.360	27.649	1.958	16.849	8.842	0.204

Lampiran 17. Data Hujan Efektif ARR 04 s/d 05 Februari 2018

<i>Automatic Rainfall Recorder (ARR)</i>											
Date	Time	SP	0.479	KA	0.52	Hujan rata-rata	P kumulatif	Ia kumulatif	Fa kumulatif	Pe kumulatif	Pe/Jam
		Count	P (mm)	Count	P (mm)						
04/02/2018	01:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
04/02/2018	02:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
04/02/2018	03:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
04/02/2018	04:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
04/02/2018	05:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
04/02/2018	06:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
04/02/2018	07:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
04/02/2018	08:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
04/02/2018	09:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
04/02/2018	10:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
04/02/2018	11:00:00	0	0	0	0	0.000	0.000	0	0	0.000	0.000
04/02/2018	12:00:00	1	0.479	0	0	0.143	0.143	0.143	0	0.000	0.000
04/02/2018	13:00:00	0	0	14	7.28	5.113	5.256	1.958	3.09	0.208	0.208
04/02/2018	14:00:00	0	0	44	22.88	16.070	21.326	1.958	13.877	5.491	5.283
04/02/2018	15:00:00	0	0	41	21.32	14.975	36.301	1.958	20.183	14.160	8.669
04/02/2018	16:00:00	0	0	32	16.64	11.687	47.988	1.958	23.723	22.307	8.147
04/02/2018	17:00:00	0	0	8	4.16	2.922	50.910	1.958	24.476	24.476	2.169
04/02/2018	18:00:00	0	0	17	8.84	6.209	57.119	1.958	25.936	29.225	4.749
04/02/2018	19:00:00	1	0.479	33	17.16	12.195	69.314	1.958	28.349	39.007	9.782
04/02/2018	20:00:00	17	8.143	17	8.84	8.633	77.947	1.958	29.773	46.216	7.209
04/02/2018	21:00:00	2	0.958	0	0	0.285	78.232	1.958	29.816	46.458	0.242
04/02/2018	22:00:00	1	0.479	1	0.52	0.508	78.740	1.958	29.894	46.888	0.430
04/02/2018	23:00:00	0	0	0	0	0.000	78.740	1.958	29.894	46.888	0.000
05/02/2018	00:00:00	0	0	0	0	0.000	78.740	1.958	29.894	46.888	0.000
05/02/2018	01:00:00	0	0	0	0	0.000	78.740	1.958	29.894	46.888	0.000

05/02/2018	02:00:00	0	0	3	1.56	1.096	79.836	1.958	30.058	47.820	0.932
05/02/2018	03:00:00	0	0	1	0.52	0.365	80.201	1.958	30.112	48.131	0.311
05/02/2018	04:00:00	0	0	0	0	0.000	80.201	1.958	30.112	48.131	0.000

Lampiran 18. Data Hujan Efektif TRMM 04 s/d 05 Februari 2018

<i>Tropical Rainfall Measuring Mission (TRMM)</i>									
Date	Time	SP	KA	Hujan rata-rata	P kumulatif	Ia kumulatif	Fa kumulatif	Pe kumulatif	Pe/Jam
		P (mm)	P (mm)						
04/02/2018	01:00:00	0	0	0.000	0.000	0	0	0.000	0.000
04/02/2018	02:00:00	0	0	0.000	0.000	0	0	0.000	0.000
04/02/2018	03:00:00	0	0	0.000	0.000	0	0	0.000	0.000
04/02/2018	04:00:00	0	0	0.000	0.000	0	0	0.000	0.000
04/02/2018	05:00:00	0	0	0.000	0.000	0	0	0.000	0.000
04/02/2018	06:00:00	0	2.57060862	1.806	1.806	1.806	0	0.000	0.000
04/02/2018	07:00:00	0.60531294	0.38948618	0.454	2.260	1.958	0.3	0.002	0.002
04/02/2018	08:00:00	2.17912674	1.71373922	1.852	4.112	1.958	2.063	0.091	0.089
04/02/2018	09:00:00	0.48425037	3.11588937	2.333	6.445	1.958	4.11	0.377	0.286
04/02/2018	10:00:00	3.02656484	3.89486158	3.636	10.081	1.958	6.967	1.156	0.779
04/02/2018	11:00:00	1.33168846	11.0614076	8.166	18.247	1.958	12.222	4.067	2.911
04/02/2018	12:00:00	0	1.16845852	0.821	19.068	1.958	12.678	4.432	0.365
04/02/2018	13:00:00	0	0	0.000	19.068	1.958	12.678	4.432	0.000
04/02/2018	14:00:00	2.30018926	0	0.685	19.753	1.958	13.051	4.744	0.312
04/02/2018	15:00:00	0	1.86953368	1.313	21.066	1.958	13.743	5.365	0.621
04/02/2018	16:00:00	0	0.38948618	0.274	21.340	1.958	13.885	5.497	0.132
04/02/2018	17:00:00	0	0	0.000	21.340	1.958	13.885	5.497	0.000
04/02/2018	18:00:00	0	0	0.000	21.340	1.958	13.885	5.497	0.000
04/02/2018	19:00:00	0	0.54528065	0.383	21.723	1.958	14.08	5.685	0.188
04/02/2018	20:00:00	0	0.15579447	0.109	21.832	1.958	14.135	5.739	0.054
04/02/2018	21:00:00	0	0	0.000	21.832	1.958	14.135	5.739	0.000
04/02/2018	22:00:00	0	0	0.000	21.832	1.958	14.135	5.739	0.000
04/02/2018	23:00:00	0.24212518	0.23369171	0.236	22.068	1.958	14.254	5.856	0.117
05/02/2018	00:00:00	1.08956337	0.77897234	0.871	22.939	1.958	14.686	6.295	0.439
05/02/2018	01:00:00	2.30018925	0	0.685	23.624	1.958	15.019	6.647	0.352

05/02/2018	02:00:00	0.60531294	0	0.180	23.804	1.958	15.105	6.741	0.094
05/02/2018	03:00:00	0	0	0.000	23.804	1.958	15.105	6.741	0.000
05/02/2018	04:00:00	0	0	0.000	23.804	1.958	15.105	6.741	0.000

Lampiran 19. Data Hujan Efektif ARR 07 s/d 08 Februari 2018

<i>Automatic Rainfall Recorder (ARR)</i>											
Date	Time	SP	0.479	KA	0.52	Hujan rata-rata	P kumulatif	Ia kumulatif	Fa kumulatif	Pe kumulatif	Pe/Jam
		Count	P (mm)	Count	P (mm)						
07/02/2019	01:00:00	0	0	3	1.56	1.096	1.096	1.096	0	0.000	0.000
07/02/2019	02:00:00	0	0	2	1.04	0.730	1.826	1.826	0	0.000	0.000
07/02/2019	03:00:00	0	0	0	0	0.000	1.826	1.826	0	0.000	0.000
07/02/2019	04:00:00	0	0	0	0	0.000	1.826	1.826	0	0.000	0.000
07/02/2019	05:00:00	0	0	0	0	0.000	1.826	1.826	0	0.000	0.000
07/02/2019	06:00:00	0	0	0	0	0.000	1.826	1.826	0	0.000	0.000
07/02/2019	07:00:00	0	0	0	0	0.000	1.826	1.826	0	0.000	0.000
07/02/2019	08:00:00	0	0	0	0	0.000	1.826	1.826	0	0.000	0.000
07/02/2019	09:00:00	0	0	0	0	0.000	1.826	1.826	0	0.000	0.000
07/02/2019	10:00:00	0	0	0	0	0.000	1.826	1.826	0	0.000	0.000
07/02/2019	11:00:00	0	0	0	0	0.000	1.826	1.826	0	0.000	0.000
07/02/2019	12:00:00	0	0	0	0	0.000	1.826	1.826	0	0.000	0.000
07/02/2019	13:00:00	0	0	0	0	0.000	1.826	1.826	0	0.000	0.000
07/02/2019	14:00:00	0	0	0	0	0.000	1.826	1.826	0	0.000	0.000
07/02/2019	15:00:00	0	0	0	0	0.000	1.826	1.826	0	0.000	0.000
07/02/2019	16:00:00	0	0	4	2.08	1.461	3.287	1.958	1.294	0.035	0.035
07/02/2019	17:00:00	0	0	15	7.8	5.478	8.765	1.958	5.976	0.831	0.796
07/02/2019	18:00:00	0	0	16	8.32	5.844	14.609	1.958	10.053	2.598	1.767
07/02/2019	19:00:00	0	0	17	8.84	6.209	20.818	1.958	13.615	5.245	2.647
07/02/2019	20:00:00	9	4.311	22	11.44	9.318	30.136	1.958	17.884	10.294	5.049
07/02/2019	21:00:00	26	12.454	27	14.04	13.568	43.704	1.958	22.531	19.215	8.921
07/02/2019	22:00:00	2	0.958	24	12.48	9.051	52.755	1.958	24.929	25.868	6.653
07/02/2019	23:00:00	1	0.479	0	0	0.143	52.898	1.958	24.963	25.977	0.109
08/02/2019	00:00:00	0	0	1	0.52	0.365	53.263	1.958	25.05	26.255	0.278
08/02/2019	01:00:00	0	0	0	0	0.000	53.263	1.958	25.05	26.255	0.000

08/02/2019	02:00:00	0	0	0	0	0.000	53.263	1.958	25.05	26.255	0.000
08/02/2019	03:00:00	0	0	0	0	0.000	53.263	1.958	25.05	26.255	0.000
08/02/2019	04:00:00	0	0	0	0	0.000	53.263	1.958	25.05	26.255	0.000
08/02/2019	05:00:00	0	0	0	0	0.000	53.263	1.958	25.05	26.255	0.000
08/02/2019	06:00:00	0	0	0	0	0.000	53.263	1.958	25.05	26.255	0.000
08/02/2019	07:00:00	0	0	0	0	0.000	53.263	1.958	25.05	26.255	0.000
08/02/2019	08:00:00	0	0	0	0	0.000	53.263	1.958	25.05	26.255	0.000

Lampiran 20. Data Hujan Efektif TRMM 07 s/d 08 Februari 2018

<i>Tropical Rainfall Measuring Mission (TRMM)</i>									
Date	Time	SP	KA	Hujan rata-rata	P kumulatif	Ia kumulatif	Fa kumulatif	Pe kumulatif	Pe/Jam
		P (mm)	P (mm)						
07/02/2019	01:00:00	0	0	0.000	0.000	0	0	0.000	0.000
07/02/2019	02:00:00	0	0	0.000	0.000	0	0	0.000	0.000
07/02/2019	03:00:00	0	0	0.000	0.000	0	0	0.000	0.000
07/02/2019	04:00:00	0	0	0.000	0.000	0	0	0.000	0.000
07/02/2019	05:00:00	0	0	0.000	0.000	0	0	0.000	0.000
07/02/2019	06:00:00	0	0	0.000	0.000	0	0	0.000	0.000
07/02/2019	07:00:00	0	0	0.000	0.000	0	0	0.000	0.000
07/02/2019	08:00:00	0	0	0.000	0.000	0	0	0.000	0.000
07/02/2019	09:00:00	0	4.9075259	3.447	3.447	1.958	1.445	0.044	0.044
07/02/2019	10:00:00	0	8.88028478	6.237	9.684	1.958	6.673	1.053	1.009
07/02/2019	11:00:00	0	19.0069255	13.350	23.034	1.958	14.733	6.343	5.290
07/02/2019	12:00:00	10.5324454	19.0069256	16.485	39.519	1.958	21.253	16.308	9.965
07/02/2019	13:00:00	30.9920225	15.5015497	20.112	59.631	1.958	26.478	31.195	14.887
07/02/2019	14:00:00	23.9703942	17.4489803	19.390	79.021	1.958	29.936	47.127	15.932
07/02/2019	15:00:00	17.0698247	12.0740714	13.561	92.582	1.958	31.784	58.840	11.713
07/02/2019	16:00:00	8.35331822	5.99808693	6.699	99.281	1.958	32.57	64.753	5.913
07/02/2019	17:00:00	3.63187778	2.57060862	2.886	102.167	1.958	32.887	67.322	2.569
07/02/2019	18:00:00	0	0	0.000	102.167	1.958	32.887	67.322	0.000
07/02/2019	19:00:00	0	0	0.000	102.167	1.958	32.887	67.322	0.000
07/02/2019	20:00:00	0	0	0.000	102.167	1.958	32.887	67.322	0.000
07/02/2019	21:00:00	0	0	0.000	102.167	1.958	32.887	67.322	0.000
07/02/2019	22:00:00	0	0	0.000	102.167	1.958	32.887	67.322	0.000
07/02/2019	23:00:00	0	0	0.000	102.167	1.958	32.887	67.322	0.000
08/02/2019	00:00:00	0	0	0.000	102.167	1.958	32.887	67.322	0.000
08/02/2019	01:00:00	0	0	0.000	102.167	1.958	32.887	67.322	0.000

08/02/2019	02:00:00	0	0	0.000	102.167	1.958	32.887	67.322	0.000
08/02/2019	03:00:00	0	0	0.000	102.167	1.958	32.887	67.322	0.000
08/02/2019	04:00:00	0	0	0.000	102.167	1.958	32.887	67.322	0.000
08/02/2019	05:00:00	0	0.07789724	0.055	102.222	1.958	32.893	67.371	0.049
08/02/2019	06:00:00	0	0	0.000	102.222	1.958	32.893	67.371	0.000
08/02/2019	07:00:00	0	2.72640312	1.915	104.137	1.958	33.096	69.083	1.712
08/02/2019	08:00:00	0	9.0360794	6.347	110.484	1.958	33.735	74.791	5.708

Lampiran 21 Pengalihragaman Muka Air AWLR 20 s/d 21 Januari 2017

Date	Time	H	Automatic Water Level Recorder (AWLR)					
			h'	baseflow		0.533		
			498	Q obs	Pe ARR	Direct runoff	Pe TRMM	Direct runoff
20/01/2017	01:00:00	480	0.18	0.525	0.000	0	0.000	0
20/01/2017	02:00:00	480	0.18	0.525	0.000	0	0.000	0
20/01/2017	03:00:00	481	0.17	0.474	0.000	0	0.000	0
20/01/2017	04:00:00	480	0.18	0.525	0.000	0	0.000	0
20/01/2017	05:00:00	481	0.17	0.474	0.000	0	0.000	0
20/01/2017	06:00:00	482	0.16	0.426	0.000	0	0.003	0
20/01/2017	07:00:00	479	0.19	0.577	0.000	0.044	0.022	0
20/01/2017	08:00:00	480	0.18	0.525	0.000	0	0.019	0
20/01/2017	09:00:00	479	0.19	0.577	0.000	0.044	0.075	0
20/01/2017	10:00:00	477	0.21	0.689	0.000	0.156	0.049	0
20/01/2017	11:00:00	480	0.18	0.525	0.000	0	0.046	0
20/01/2017	12:00:00	480	0.18	0.525	0.004	0	0.000	0
20/01/2017	13:00:00	481	0.17	0.474	0.005	0	0.000	0
20/01/2017	14:00:00	479	0.19	0.577	0.016	0.044	0.000	0
20/01/2017	15:00:00	479	0.19	0.577	0.032	0.044	0.000	0.044
20/01/2017	16:00:00	466	0.32	1.45	0.003	0.917	0.000	0.917
20/01/2017	17:00:00	467	0.31	1.371	0.000	0.838	0.000	0.838
20/01/2017	18:00:00	468	0.3	1.294	0.000	0.761	0.000	0.761
20/01/2017	19:00:00	470	0.28	1.145	0.000	0.612	0.000	0.612
20/01/2017	20:00:00	471	0.27	1.074	0.000	0.541	0.000	0.541
20/01/2017	21:00:00	472	0.26	1.005	0.000	0.472	0.000	0.472
20/01/2017	22:00:00	472	0.26	1.005	0.000	0.472	0.000	0.472
20/01/2017	23:00:00	473	0.25	0.937	0.000	0.404	0.000	0.404
21/01/2017	00:00:00	474	0.24	0.872	0.000	0.339	0.000	0.339
21/01/2017	01:00:00	474	0.24	0.872	0.000	0.339	0.000	0.339

21/01/2017	02:00:00	474	0.24	0.872	0.000	0.339	0.000	0.339
21/01/2017	03:00:00	474	0.24	0.872	0.000	0.339	0.000	0.339
21/01/2017	04:00:00	474	0.24	0.872	0.000	0.339	0.000	0.339
21/01/2017	05:00:00	474	0.24	0.872	0.000	0.339	0.000	0.339

Lampiran 22 Pengalihragaman Muka Air AWLR 16 s/d 17 Maret 2017

Date	Time	H	Automatic Water Level Recorder (AWLR)					
			h'		baseflow		0.753	
			498	Q obs	Pe ARR	Direct runoff	Pe TRMM	Direct runoff
16/03/2017	01:00:00	476	0.22	0.748	0.000	0	0.000	0
16/03/2017	02:00:00	479	0.19	0.577	0.000	0	0.000	0
16/03/2017	03:00:00	478	0.2	0.632	0.000	0	0.000	0
16/03/2017	04:00:00	478	0.2	0.632	0.000	0	0.000	0
16/03/2017	05:00:00	478	0.2	0.632	0.000	0	0.000	0
16/03/2017	06:00:00	478	0.2	0.632	0.000	0	0.000	0
16/03/2017	07:00:00	478	0.2	0.632	0.000	0	0.000	0
16/03/2017	08:00:00	475	0.23	0.809	0.000	0.0564	0.000	0
16/03/2017	09:00:00	475	0.23	0.809	0.000	0.0564	0.000	0
16/03/2017	10:00:00	475	0.23	0.809	0.000	0.0564	0.006	0
16/03/2017	11:00:00	475	0.23	0.809	0.000	0.0564	0.101	0
16/03/2017	12:00:00	473	0.25	0.937	0.000	0.1844	0.253	0
16/03/2017	13:00:00	472	0.26	1.005	0.000	0.2524	0.217	0
16/03/2017	14:00:00	476	0.22	0.748	0.000	0	0.000	0
16/03/2017	15:00:00	477	0.21	0.689	0.000	0	0.000	0
16/03/2017	16:00:00	478	0.2	0.632	0.000	0	0.000	0
16/03/2017	17:00:00	476	0.22	0.748	0.000	0	0.000	0
16/03/2017	18:00:00	471	0.27	1.074	0.386	0.3214	0.000	0
16/03/2017	19:00:00	475	0.23	0.809	0.265	0.0564	0.000	0
16/03/2017	20:00:00	477	0.21	0.689	0.000	0	0.000	0
16/03/2017	21:00:00	476	0.22	0.748	0.000	0	0.000	0
16/03/2017	22:00:00	470	0.28	1.145	0.000	0.3924	0.000	0.3924
16/03/2017	23:00:00	466	0.32	1.45	0.000	0.6974	0.000	0.6974
17/03/2017	00:00:00	470	0.28	1.145	0.000	0.3924	0.000	0.3924
17/03/2017	01:00:00	473	0.25	0.937	0.000	0.1844	0.000	0.1844

17/03/2017	02:00:00	473	0.25	0.937	0.000	0.1844	0.000	0.1844
17/03/2017	03:00:00	473	0.25	0.937	0.000	0.1844	0.000	0.1844
17/03/2017	04:00:00	474	0.24	0.872	0.000	0.1194	0.000	0.1194
17/03/2017	05:00:00	474	0.24	0.872	0.000	0.1194	0.000	0.1194
17/03/2017	06:00:00	474	0.24	0.872	0.000	0.1194	0.000	0

Lampiran 23 Pengalihragaman Muka Air AWLR 26 s/d 27 November 2017

Date	Time	H	Automatic Water Level Recorder (AWLR)					
			h'	baseflow		0.801		
			498	Q obs	Pe ARR	Direct runoff	Pe TRMM	Direct runoff
26/11/2017	01:00:00	476	0.22	0.748	0.000	0	0.000	0
26/11/2017	02:00:00	476	0.22	0.748	0.000	0	0.000	0
26/11/2017	03:00:00	477	0.21	0.689	0.000	0	0.000	0
26/11/2017	04:00:00	477	0.21	0.689	0.000	0	0.000	0
26/11/2017	05:00:00	477	0.21	0.689	0.000	0	0.000	0
26/11/2017	06:00:00	476	0.22	0.748	0.000	0	0.000	0
26/11/2017	07:00:00	476	0.22	0.748	0.000	0	0.032	0
26/11/2017	08:00:00	475	0.23	0.809	0.000	0.008	0.082	0
26/11/2017	09:00:00	474	0.24	0.872	0.000	0.071	0.098	0
26/11/2017	10:00:00	475	0.23	0.809	0.000	0.008	0.060	0
26/11/2017	11:00:00	474	0.24	0.872	0.000	0.071	0.018	0
26/11/2017	12:00:00	475	0.23	0.809	0.000	0.008	0.000	0
26/11/2017	13:00:00	476	0.22	0.748	0.000	0	0.000	0
26/11/2017	14:00:00	476	0.22	0.748	0.002	0	0.000	0
26/11/2017	15:00:00	469	0.29	1.218	0.161	0.417	0.000	0
26/11/2017	16:00:00	474	0.24	0.872	0.025	0.071	0.000	0
26/11/2017	17:00:00	458	0.4	2.151	0.029	1.35	0.000	1.35
26/11/2017	18:00:00	462	0.36	1.786	0.005	0.985	0.000	0.985
26/11/2017	19:00:00	467	0.31	1.371	0.013	0.57	0.000	0.57
26/11/2017	20:00:00	468	0.3	1.294	0.000	0.493	0.000	0.493
26/11/2017	21:00:00	469	0.29	1.218	0.000	0.417	0.000	0.417
26/11/2017	22:00:00	470	0.28	1.145	0.000	0.344	0.000	0.344
26/11/2017	23:00:00	471	0.27	1.074	0.000	0.273	0.000	0.273
27/11/2017	00:00:00	471	0.27	1.074	0.000	0.273	0.000	0.273
27/11/2017	01:00:00	473	0.25	0.937	0.000	0.136	0.000	0.136

27/11/2017	02:00:00	472	0.26	1.005	0.000	0.204	0.000	0.204
27/11/2017	03:00:00	472	0.26	1.005	0.000	0.204	0.000	0.204
27/11/2017	04:00:00	473	0.25	0.937	0.000	0.136	0.000	0.136
27/11/2017	05:00:00	474	0.24	0.872	0.000	0.071	0.000	0.071
27/11/2017	06:00:00	474	0.24	0.872	0.000	0.071	0.000	0.071
27/11/2017	07:00:00	474	0.24	0.872	0.000	0.071	0.000	0.071
27/11/2017	08:00:00	474	0.24	0.872	0.000	0.071	0.000	0.071

Lampiran 24 Pengalihragaman Muka Air AWLR 16 s/d 17 Januari 2018

Date	Time	H	Automatic Water Level Recorder (AWLR)					
			h'		baseflow		0.747882353	
			498	Q _{obs}	Pe ARR	Direct runoff	Pe TRMM	Direct runoff
16/01/2018	01:00:00	478	0.2	0.632	0.000	0	0.000	0
16/01/2018	02:00:00	477	0.21	0.689	0.000	0	0.000	0
16/01/2018	03:00:00	478	0.2	0.632	0.000	0	0.000	0
16/01/2018	04:00:00	479	0.19	0.577	0.000	0	0.000	0
16/01/2018	05:00:00	478	0.2	0.632	0.000	0	0.000	0
16/01/2018	06:00:00	477	0.21	0.689	0.000	0	0.000	0
16/01/2018	07:00:00	476	0.22	0.748	0.000	0.000117647	0.000	0
16/01/2018	08:00:00	475	0.23	0.809	0.000	0.061117647	0.000	0
16/01/2018	09:00:00	475	0.23	0.809	0.000	0.061117647	0.047	0
16/01/2018	10:00:00	475	0.23	0.809	0.000	0.061117647	0.145	0
16/01/2018	11:00:00	474	0.24	0.872	0.000	0.124117647	0.459	0
16/01/2018	12:00:00	472	0.26	1.005	0.000	0.257117647	0.764	0
16/01/2018	13:00:00	474	0.24	0.872	0.000	0.124117647	0.485	0
16/01/2018	14:00:00	475	0.23	0.809	0.000	0.061117647	0.280	0
16/01/2018	15:00:00	475	0.23	0.809	0.000	0.061117647	0.149	0
16/01/2018	16:00:00	478	0.2	0.632	0.000	0	0.068	0
16/01/2018	17:00:00	477	0.21	0.689	0.006	0	0.028	0
16/01/2018	18:00:00	458	0.4	2.151	0.069	1.403117647	0.000	1.403117647
16/01/2018	19:00:00	456	0.42	2.345	0.329	1.597117647	0.000	1.597117647
16/01/2018	20:00:00	450	0.48	2.969	0.096	2.221117647	0.000	2.221117647
16/01/2018	21:00:00	450	0.48	2.969	0.095	2.221117647	0.000	2.221117647
16/01/2018	22:00:00	452	0.46	2.754	0.081	2.006117647	0.000	2.006117647
16/01/2018	23:00:00	456	0.42	2.345	0.015	1.597117647	0.000	1.597117647
17/01/2018	00:00:00	457	0.41	2.247	0.008	1.499117647	0.000	1.499117647
17/01/2018	01:00:00	460	0.38	1.965	0.000	1.217117647	0.000	1.217117647

17/01/2018	02:00:00	463	0.35	1.699	0.000	0.951117647	0.000	0.951117647
17/01/2018	03:00:00	466	0.32	1.45	0.000	0.702117647	0.000	0.702117647
17/01/2018	04:00:00	466	0.32	1.45	0.000	0.702117647	0.000	0.702117647
17/01/2018	05:00:00	468	0.3	1.294	0.000	0.546117647	0.000	0.546117647
17/01/2018	06:00:00	470	0.28	1.145	0.000	0.397117647	0.000	0.397117647
17/01/2018	07:00:00	469	0.29	1.218	0.000	0.470117647	0.000	0.470117647
17/01/2018	08:00:00	468	0.3	1.294	0.000	0.546117647	0.000	0.546117647
17/01/2018	09:00:00	470	0.28	1.145	0.000	0.397117647	0.000	0.397117647
17/01/2018	10:00:00	469	0.29	1.218	0.000	0.470117647	0.000	0.470117647

Lampiran 25 Pengalihragaman Muka Air AWLR 18 Januari 2018

Date	Time	H	Automatic Water Level Recorder (AWLR)					
			h'		baseflow		0.836866667	
			498	Q _{obs}	Pe _{ARR}	Direct runoff	Pe TRMM	Direct runoff
18/01/2017	01:00:00	475	0.23	0.809	0.000	0	0.000	0
18/01/2017	02:00:00	475	0.23	0.809	0.000	0	0.000	0
18/01/2017	03:00:00	478	0.2	0.632	0.000	0	0.000	0
18/01/2017	04:00:00	476	0.22	0.748	0.000	0	0.000	0
18/01/2017	05:00:00	476	0.22	0.748	0.000	0	0.000	0
18/01/2017	06:00:00	476	0.22	0.748	0.000	0	0.000	0
18/01/2017	07:00:00	475	0.23	0.809	0.000	0	0.000	0
18/01/2017	08:00:00	475	0.23	0.809	0.000	0	0.026	0
18/01/2017	09:00:00	473	0.25	0.937	0.000	0.100133333	0.077	0
18/01/2017	10:00:00	472	0.26	1.005	0.000	0.168133333	0.195	0
18/01/2017	11:00:00	471	0.27	1.074	0.000	0.237133333	0.299	0
18/01/2017	12:00:00	474	0.24	0.872	0.000	0.035133333	0.322	0
18/01/2017	13:00:00	474	0.24	0.872	0.000	0.035133333	0.288	0
18/01/2017	14:00:00	474	0.24	0.872	0.002	0.035133333	0.132	0
18/01/2017	15:00:00	475	0.23	0.809	0.001	0	0.079	0
18/01/2017	16:00:00	419	0.79	7.161	0.005	6.324133333	0.148	6.324133333
18/01/2017	17:00:00	445	0.53	3.537	0.643	2.700133333	0.037	2.700133333
18/01/2017	18:00:00	468	0.3	1.294	0.328	0.457133333	0.000	0.457133333
18/01/2017	19:00:00	471	0.27	1.074	0.370	0.237133333	0.000	0.237133333
18/01/2017	20:00:00	471	0.27	1.074	0.168	0.237133333	0.000	0.237133333
18/01/2017	21:00:00	472	0.26	1.005	0.074	0.168133333	0.000	0.168133333
18/01/2017	22:00:00	472	0.26	1.005	0.000	0.168133333	0.000	0.168133333
18/01/2017	23:00:00	471	0.27	1.074	0.000	0.237133333	0.000	0.237133333
18/01/2017	00:00:00	474	0.24	0.872	0.000	0.035133333	0.000	0.035133333

Lampiran 26 Pengalihragaman Muka Air AWLR 22 s/d 23 Januari 2018

Date	Time	H	Automatic Water Level Recorder (AWLR)					
			h'	baseflow		1.085		
			498	Q obs	Pe ARR	Direct runoff	Pe TRMM	Direct runoff
22/01/2018	01:00:00	470	0.28	1.145	0.000	0.06	0.000	0
22/01/2018	02:00:00	471	0.27	1.074	0.000	0	0.000	0
22/01/2018	03:00:00	470	0.28	1.145	0.000	0.06	0.000	0
22/01/2018	04:00:00	471	0.27	1.074	0.000	0	0.000	0
22/01/2018	05:00:00	473	0.25	0.937	0.000	0	0.000	0
22/01/2018	06:00:00	473	0.25	0.937	0.000	0	0.002	0
22/01/2018	07:00:00	471	0.27	1.074	0.000	0	0.085	0
22/01/2018	08:00:00	471	0.27	1.074	0.000	0	0.139	0
22/01/2018	09:00:00	471	0.27	1.074	0.000	0	0.570	0
22/01/2018	10:00:00	469	0.29	1.218	0.000	0.133	0.535	0
22/01/2018	11:00:00	470	0.28	1.145	0.000	0.06	0.470	0
22/01/2018	12:00:00	470	0.28	1.145	0.000	0.06	0.305	0
22/01/2018	13:00:00	471	0.27	1.074	0.061	0	0.174	0
22/01/2018	14:00:00	471	0.27	1.074	0.316	0	0.034	0
22/01/2018	15:00:00	435	0.63	4.8	0.100	3.715	0.000	3.715
22/01/2018	16:00:00	447	0.51	3.304	0.069	2.219	0.000	2.219
22/01/2018	17:00:00	447	0.51	3.304	0.032	2.219	0.000	2.219
22/01/2018	18:00:00	448	0.5	3.191	0.025	2.106	0.000	2.106
22/01/2018	19:00:00	451	0.47	2.86	0.000	1.775	0.000	1.775
22/01/2018	20:00:00	454	0.44	2.546	0.000	1.461	0.000	1.461
22/01/2018	21:00:00	457	0.41	2.247	0.000	1.162	0.000	1.162
22/01/2018	22:00:00	460	0.38	1.965	0.000	0.88	0.000	0.88
22/01/2018	23:00:00	463	0.35	1.699	0.000	0.614	0.000	0.614
23/01/2018	00:00:00	464	0.34	1.614	0.000	0.529	0.000	0.529
23/01/2018	01:00:00	464	0.34	1.614	0.000	0.529	0.000	0.529

23/01/2018	02:00:00	464	0.34	1.614	0.000	0.529	0.000	0.529
23/01/2018	03:00:00	466	0.32	1.45	0.000	0.365	0.000	0.365
23/01/2018	04:00:00	466	0.32	1.45	0.000	0.365	0.000	0.365
23/01/2018	05:00:00	468	0.3	1.294	0.000	0.209	0.000	0.209
23/01/2018	06:00:00	468	0.3	1.294	0.000	0.209	0.000	0.209
23/01/2018	07:00:00	468	0.3	1.294	0.000	0.209	0.000	0.209
23/01/2018	08:00:00	468	0.3	1.294	0.000	0.209	0.000	0.209

Lampiran 27 Pengalihragaman Muka Air AWLR 02 s/d 03 Januari 2018

Date	Time	H	Automatic Water Level Recorder (AWLR)					
			h'		baseflow		1.3362	
			498	Q obs	Pe ARR	Direct runoff	Pe TRMM	Direct runoff
02/02/2018	01:00:00	471	0.27	1.074	0.000	0	0.000	0
02/02/2018	02:00:00	466	0.32	1.45	0.000	0.1138	0.000	0
02/02/2018	03:00:00	471	0.27	1.074	0.000	0	0.000	0
02/02/2018	04:00:00	471	0.27	1.074	0.000	0	0.002	0
02/02/2018	05:00:00	449	0.49	3.079	0.000	1.7428	0.004	0
02/02/2018	06:00:00	473	0.25	0.937	0.000	0	0.015	0
02/02/2018	07:00:00	472	0.26	1.005	0.000	0	0.142	0
02/02/2018	08:00:00	470	0.28	1.145	0.000	0	0.457	0
02/02/2018	09:00:00	471	0.27	1.074	0.000	0	0.193	0
02/02/2018	10:00:00	471	0.27	1.074	0.000	0	0.030	0
02/02/2018	11:00:00	469	0.29	1.218	0.000	0	0.003	0
02/02/2018	12:00:00	470	0.28	1.145	0.000	0	0.009	0
02/02/2018	13:00:00	471	0.27	1.074	0.002	0	0.000	0
02/02/2018	14:00:00	471	0.27	1.074	0.194	0	0.000	0
02/02/2018	15:00:00	454	0.44	2.546	0.543	1.2098	0.000	1.2098
02/02/2018	16:00:00	371	1.27	16.57	0.000	15.2338	0.000	15.2338
02/02/2018	17:00:00	395	1.03	11.443	0.000	10.1068	0.000	10.1068
02/02/2018	18:00:00	415	0.83	7.814	0.000	6.4778	0.000	6.4778
02/02/2018	19:00:00	434	0.64	4.936	0.000	3.5998	0.000	3.5998
02/02/2018	20:00:00	440	0.58	4.148	0.000	2.8118	0.000	2.8118
02/02/2018	21:00:00	448	0.5	3.191	0.000	1.8548	0.000	1.8548
02/02/2018	22:00:00	453	0.45	2.649	0.000	1.3128	0.000	1.3128
02/02/2018	23:00:00	458	0.4	2.151	0.000	0.8148	0.000	0.8148
03/02/2018	00:00:00	461	0.37	1.874	0.000	0.5378	0.000	0.5378
03/02/2018	01:00:00	474	0.24	0.872	0.000	0	0.000	0

03/02/2018	02:00:00	474	0.24	0.872	0.000	0	0.000	0
03/02/2018	03:00:00	474	0.24	0.872	0.000	0	0.000	0
03/02/2018	04:00:00	474	0.24	0.872	0.000	0	0.000	0

Lampiran 28 Pengalihragaman Muka Air AWLR 04 s/d 05 Januari 2018

Date	Time	H	Automatic Water Level Recorder (AWLR)					
			h'		baseflow		1.364266667	
			498	Q _{obs}	Pe ARR	Direct runoff	Pe TRMM	Direct runoff
04/02/2018	01:00:00	466	0.32	1.45	0.000	0.085733333	0.000	0
04/02/2018	02:00:00	466	0.32	1.45	0.000	0.085733333	0.000	0
04/02/2018	03:00:00	467	0.31	1.371	0.000	0.006733333	0.000	0
04/02/2018	04:00:00	467	0.31	1.371	0.000	0.006733333	0.000	0
04/02/2018	05:00:00	467	0.31	1.371	0.000	0.006733333	0.000	0
04/02/2018	06:00:00	468	0.3	1.294	0.000	0	0.000	0
04/02/2018	07:00:00	466	0.32	1.45	0.000	0.085733333	0.000	0
04/02/2018	08:00:00	465	0.33	1.531	0.000	0.166733333	0.000	0
04/02/2018	09:00:00	465	0.33	1.531	0.000	0.166733333	0.014	0
04/02/2018	10:00:00	465	0.33	1.531	0.000	0.166733333	0.058	0
04/02/2018	11:00:00	468	0.3	1.294	0.000	0	0.259	0
04/02/2018	12:00:00	467	0.31	1.371	0.000	0.006733333	0.034	0
04/02/2018	13:00:00	468	0.3	1.294	0.019	0	0.000	0
04/02/2018	14:00:00	469	0.29	1.218	0.523	0	0.000	0
04/02/2018	15:00:00	473	0.25	0.937	0.865	0	0.000	0
04/02/2018	16:00:00	468	0.3	1.294	0.814	0	0.000	0
04/02/2018	17:00:00	427	0.71	5.929	0.217	4.564733333	0.000	4.564733333
04/02/2018	18:00:00	437	0.61	4.534	0.475	3.169733333	0.000	3.169733333
04/02/2018	19:00:00	445	0.53	3.537	0.978	2.172733333	0.000	2.172733333
04/02/2018	20:00:00	446	0.52	3.42	0.721	2.055733333	0.000	2.055733333
04/02/2018	21:00:00	454	0.44	2.546	0.024	1.181733333	0.000	1.181733333
04/02/2018	22:00:00	454	0.44	2.546	0.043	1.181733333	0.000	1.181733333
04/02/2018	23:00:00	459	0.39	2.057	0.000	0.692733333	0.000	0.692733333
05/02/2018	00:00:00	459	0.39	2.057	0.000	0.692733333	0.000	0.692733333
05/02/2018	01:00:00	459	0.39	2.057	0.000	0.692733333	0.000	0.692733333

05/02/2018	02:00:00	461	0.37	1.874	0.000	0.509733333	0.000	0.509733333
05/02/2018	03:00:00	463	0.35	1.699	0.000	0.334733333	0.000	0.334733333
05/02/2018	04:00:00	462	0.36	1.786	0.000	0.421733333	0.000	0.421733333

Lampiran 29 Pengalihragaman Muka Air AWLR 07 s/d 08 Januari 2018

Date	Time	H	Automatic Water Level Recorder (AWLR)					
			h'		baseflow		1.196842105	
			498	Q obs	Pe ARR	Direct runoff	Pe TRMM	Direct runoff
07/02/2018	01:00:00	474	0.24	0.872	0.000	0	0.000	0
07/02/2018	02:00:00	474	0.24	0.872	0.000	0	0.000	0
07/02/2018	03:00:00	472	0.26	1.005	0.000	0	0.000	0
07/02/2018	04:00:00	472	0.26	1.005	0.000	0	0.000	0
07/02/2018	05:00:00	473	0.25	0.937	0.000	0	0.000	0
07/02/2018	06:00:00	474	0.24	0.872	0.000	0	0.000	0
07/02/2018	07:00:00	473	0.25	0.937	0.000	0	0.000	0
07/02/2018	08:00:00	473	0.25	0.937	0.000	0	0.000	0
07/02/2018	09:00:00	472	0.26	1.005	0.000	0	0.004	0
07/02/2018	10:00:00	471	0.27	1.074	0.000	0	0.101	0
07/02/2018	11:00:00	469	0.29	1.218	0.000	0.021157895	0.529	0
07/02/2018	12:00:00	469	0.29	1.218	0.000	0.021157895	0.997	0
07/02/2018	13:00:00	470	0.28	1.145	0.000	0	1.489	0
07/02/2018	14:00:00	470	0.28	1.145	0.000	0	1.593	0
07/02/2018	15:00:00	469	0.29	1.218	0.000	0.021157895	1.171	0
07/02/2018	16:00:00	462	0.36	1.786	0.000	0.589157895	0.591	0
07/02/2018	17:00:00	466	0.32	1.45	0.046	0.253157895	0.257	0
07/02/2018	18:00:00	456	0.42	2.345	0.150	1.148157895	0.000	0
07/02/2018	19:00:00	463	0.35	1.699	0.244	0.502157895	0.000	0.502157895
07/02/2018	20:00:00	393	1.05	11.839	0.483	10.64215789	0.000	10.64215789
07/02/2018	21:00:00	395	1.03	11.443	0.871	10.24615789	0.000	10.24615789
07/02/2018	22:00:00	407	0.91	9.194	0.656	7.997157895	0.000	7.997157895
07/02/2018	23:00:00	412	0.86	8.32	0.011	7.123157895	0.000	7.123157895
08/02/2018	00:00:00	425	0.73	6.228	0.027	5.031157895	0.000	5.031157895
08/02/2018	01:00:00	438	0.6	4.404	0.000	3.207157895	0.000	3.207157895

08/02/2018	02:00:00	442	0.56	3.898	0.000	2.701157895	0.000	2.701157895
08/02/2018	03:00:00	450	0.48	2.969	0.000	1.772157895	0.000	1.772157895
08/02/2018	04:00:00	453	0.45	2.649	0.000	1.452157895	0.000	1.452157895
08/02/2018	05:00:00	456	0.42	2.345	0.000	1.148157895	0.000	1.148157895
08/02/2018	06:00:00	459	0.39	2.057	0.000	0.860157895	0.000	0.860157895
08/02/2018	07:00:00	461	0.37	1.874	0.000	0.677157895	0.000	0.677157895
08/02/2018	08:00:00	461	0.37	1.874	0.000	0.677157895	0.000	0.677157895

Lampiran 30. Debit hitung ARR 20 s/d 21 Januari 2017

T (jam)	Q (m ³ /s/cm)	<i>Automatic Rainfall Recorder (ARR)</i>					Q hitung
		<i>Pe1</i>	<i>Pe2</i>	<i>Pe3</i>	<i>Pe4</i>	<i>Pe5</i>	
		0.00430	0.00450	0.01560	0.03220	0.00280	
0.0	0.000	0.000					0.000
1.00	17.400	0.075	0.000				0.075
2.00	28.301	0.122	0.078	0.000			0.200
3.00	13.429	0.058	0.127	0.271	0.000		0.457
4.00	5.459	0.023	0.060	0.442	0.560	0.000	1.086
5.00	2.141	0.009	0.025	0.209	0.911	0.049	1.203
6.00	0.847	0.004	0.010	0.085	0.432	0.079	0.610
7.00	0.341	0.001	0.004	0.033	0.176	0.038	0.252
8.00	0.136	0.001	0.002	0.013	0.069	0.015	0.100
9.00	0.000	0.000	0.001	0.005	0.027	0.006	0.039
			0.000	0.002	0.011	0.002	0.015
				0.000	0.004	0.001	0.005
					0.000	0.000	0.000
						0.000	0.000

Lampiran 31. Debit hitung TRMM 20 s/d 21 Januari 2017

T (jam)	Q (m ³ /s/cm)	<i>Tropical Rainfall Measuring Mission (TRMM)</i>						Q hitung
		<i>Pe1</i>	<i>Pe2</i>	<i>Pe3</i>	<i>Pe4</i>	<i>Pe5</i>	<i>Pe6</i>	
		0.00320	0.02200	0.01900	0.07460	0.04890	0.04570	
0.0	0.000	0.000						0.000
1.00	17.400	0.056	0.000					0.056
2.00	28.301	0.091	0.383	0.000				0.473
3.00	13.429	0.043	0.623	0.331	0.000			0.996
4.00	5.459	0.017	0.295	0.538	1.298	0.000		2.149
5.00	2.141	0.007	0.120	0.255	2.111	0.851	0.000	3.344
6.00	0.847	0.003	0.047	0.104	1.002	1.384	0.795	3.334
7.00	0.341	0.001	0.019	0.041	0.407	0.657	1.293	2.418
8.00	0.136	0.000	0.007	0.016	0.160	0.267	0.614	1.064
9.00	0.000	0.000	0.003	0.006	0.063	0.105	0.249	0.427
			0.000	0.003	0.025	0.041	0.098	0.167
				0.000	0.010	0.017	0.039	0.066
					0.000	0.007	0.016	0.022
						0.000	0.006	0.006
							0.000	0.000

Lampiran 32. Debit hitung ARR 16 s/d 17 Maret 2017

T (jam)	Q (m ³ /s/cm)	<i>Automatic Rainfall Recorder (ARR)</i>		Q hitung
		<i>Pe1</i>	<i>Pe2</i>	
		0.38620	0.26480	
0	0.000	0.000		0.00000
1	17.400	6.720	0.000	6.72006
2	28.301	10.930	4.608	15.53763
3	13.429	5.186	7.494	12.68045
4	5.459	2.108	3.556	5.66427
5	2.141	0.827	1.446	2.27244
6	0.847	0.327	0.567	0.89408
7	0.341	0.132	0.224	0.35591
8	0.136	0.053	0.090	0.14292
9	0.000	0.000	0.036	0.03612
			0.000	0.00000

Lampiran 33. Debit hitung TRMM 16 s/d 17 Maret 2017

T (jam)	Q (m ³ /s/cm)	<i>Tropical Rainfall Measuring Mission (TRMM)</i>				Q hitung
		<i>Pe1</i>	<i>Pe2</i>	<i>Pe3</i>	<i>Pe4</i>	
		0.00590	0.10110	0.25330	0.21720	
0	0.000	0.000				0.000
1	17.400	0.103	0.000			0.103
2	28.301	0.167	1.759	0.000		1.926
3	13.429	0.079	2.861	4.408	0.000	7.348
4	5.459	0.032	1.358	7.169	3.779	12.338
5	2.141	0.013	0.552	3.402	6.147	10.113
6	0.847	0.005	0.216	1.383	2.917	4.521
7	0.341	0.002	0.086	0.542	1.186	1.816
8	0.136	0.001	0.034	0.215	0.465	0.715
9	0.000	0.000	0.014	0.086	0.184	0.284
			0.000	0.035	0.074	0.109
				0.000	0.030	0.030
					0.000	0.000

Lampiran 34. Debit hitung ARR 26 s/d 27 November 2017

T (jam)	Q (m ³ /s/cm)	<i>Automatic Rainfall Recorder (ARR)</i>						Q hitung
		<i>Pe1</i>	<i>Pe2</i>	<i>Pe3</i>	<i>Pe4</i>	<i>Pe5</i>	<i>Pe6</i>	
		0.00190	0.16080	0.02500	0.02850	0.00490	0.01270	
0	0.000	0.000						0.000
1	17.400	0.033	0.000					0.033
2	28.301	0.054	2.798	0.000				2.852
3	13.429	0.026	4.551	0.435	0.000			5.011
4	5.459	0.010	2.159	0.708	0.496	0.000		3.373
5	2.141	0.004	0.878	0.336	0.807	0.085	0.000	2.109
6	0.847	0.002	0.344	0.136	0.383	0.139	0.221	1.225
7	0.341	0.001	0.136	0.054	0.156	0.066	0.359	0.771
8	0.136	0.000	0.055	0.021	0.061	0.027	0.171	0.335
9	0.000	0.000	0.022	0.009	0.024	0.010	0.069	0.134
			0.000	0.003	0.010	0.004	0.027	0.044
				0.000	0.004	0.002	0.011	0.016
					0.000	0.001	0.004	0.005
						0.000	0.002	0.002
							0.000	0.000

Lampiran 35. Debit hitung TRMM 26 s/d 27 November 2017

T (jam)	Q (m ³ /s/cm)	<i>Tropical Rainfall Measuring Mission (TRMM)</i>					Q hitung
		<i>Pe1</i>	<i>Pe2</i>	<i>Pe3</i>	<i>Pe4</i>	<i>Pe5</i>	
		0.03230	0.08170	0.09820	0.06020	0.01830	
0	0.000	0.000					0.000
1	17.400	0.562	0.000				0.562
2	28.301	0.914	1.422	0.000			2.336
3	13.429	0.434	2.312	1.709	0.000		4.455
4	5.459	0.176	1.097	2.779	1.048	0.000	5.100
5	2.141	0.069	0.446	1.319	1.704	0.318	3.856
6	0.847	0.027	0.175	0.536	0.808	0.518	2.065
7	0.341	0.011	0.069	0.210	0.329	0.246	0.865
8	0.136	0.004	0.028	0.083	0.129	0.100	0.344
9	0.000	0.000	0.011	0.033	0.051	0.039	0.135
			0.000	0.013	0.021	0.016	0.049
				0.000	0.008	0.006	0.014
					0.000	0.002	0.002
						0.000	0.000

Lampiran 36. Debit hitung ARR 16 s/d 17 Januari 2018

T (jam)	Q (m ³ /s/cm)	<i>Automatic Rainfall Recorder (ARR)</i>								Q hitung
		<i>Pe1</i>	<i>Pe2</i>	<i>Pe3</i>	<i>Pe4</i>	<i>Pe5</i>	<i>Pe6</i>	<i>Pe7</i>	<i>Pe8</i>	
		0.005700	0.069300	0.329000	0.095800	0.094700	0.081100	0.015000	0.007500	
0	0.000	0.000								0.000
1	17.400	0.099	0.000							0.099
2	28.301	0.161	1.206	0.000						1.367
3	13.429	0.077	1.961	5.725	0.000					7.763
4	5.459	0.031	0.931	9.311	1.667	0.000				11.940
5	2.141	0.012	0.378	4.418	2.711	1.648	0.000			9.168
6	0.847	0.005	0.148	1.796	1.286	2.680	1.411	0.000		7.327
7	0.341	0.002	0.059	0.704	0.523	1.272	2.295	0.261	0.000	5.116
8	0.136	0.001	0.024	0.279	0.205	0.517	1.089	0.425	0.131	2.669
9	0.000	0.000	0.009	0.112	0.081	0.203	0.443	0.201	0.212	1.262
			0.000	0.045	0.033	0.080	0.174	0.082	0.101	0.514
				0.000	0.013	0.032	0.069	0.032	0.041	0.187
					0.000	0.013	0.028	0.013	0.016	0.069
						0.000	0.011	0.005	0.006	0.023
							0.000	0.002	0.003	0.005
								0.000	0.001	0.001
									0.000	0.000

Lampiran 37. Debit hitung TRMM 16 s/d 17 Januari 2018

T (jam)	Q (m ³ /s/cm)	<i>Tropical Rainfall Measuring Mission (TRMM)</i>										Q hitung	
		<i>Pe1</i>	<i>Pe2</i>	<i>Pe3</i>	<i>Pe4</i>	<i>Pe5</i>	<i>Pe6</i>	<i>Pe7</i>	<i>Pe8</i>	<i>Pe9</i>	<i>Pe10</i>		
		0.047000	0.144800	0.458500	0.763600	0.485300	0.279800	0.148600	0.068000	0.027500			
0	0.000	0.000											0.000
1	17.400	0.818	0.000										0.818
2	28.301	1.330	2.520	0.000									3.850
3	13.429	0.631	4.098	7.978	0.000								12.707
4	5.459	0.257	1.945	12.976	13.287	0.000							28.464
5	2.141	0.101	0.790	6.157	21.611	8.444	0.000						37.104
6	0.847	0.040	0.310	2.503	10.254	13.735	4.869	0.000					31.710
7	0.341	0.016	0.123	0.982	4.169	6.517	7.919	2.586	0.000				22.310
8	0.136	0.006	0.049	0.388	1.635	2.649	3.757	4.206	1.183	0.000			13.875
9	0.000	0.000	0.020	0.156	0.647	1.039	1.527	1.996	1.924	0.479	0.000		7.788
			0.000	0.063	0.260	0.411	0.599	0.811	0.913	0.778	0.000		3.836
				0.000	0.104	0.165	0.237	0.318	0.371	0.369	0.000		1.565
					0.000	0.066	0.095	0.126	0.146	0.150	0.000		0.583
						0.000	0.038	0.051	0.058	0.059	0.000		0.205
							0.000	0.020	0.023	0.023	0.000		0.067
								0.000	0.009	0.009	0.000		0.019
									0.000	0.004	0.000		0.004
										0.000	0.000		0.000
											0.000		0.000

Lampiran 38. Debit hitung ARR 18 Januari 2018

T (jam)	Q (m ³ /s/cm)	Automatic Rainfall Recorder (ARR)								Q hitung
		Pe1	Pe2	Pe3	Pe4	Pe5	Pe6	Pe7	Pe8	
		0.001900	0.001200	0.005100	0.643000	0.328400	0.369500	0.167900	0.073600	
0	0.000	0.000000								0.000
1	17.400	0.033061	0.000000							0.033
2	28.301	0.053773	0.02088	0.000000						0.075
3	13.429	0.025515	0.03396	0.08874	0.000000					0.148
4	5.459	0.010372	0.01611	0.14434	11.18850	0.000000				11.359
5	2.141	0.004068	0.00655	0.06849	18.19778	5.71431	0.000000			23.991
6	0.847	0.001609	0.00257	0.02784	8.63479	9.29417	6.42947	0.000000		24.390
7	0.341	0.000647	0.00102	0.01092	3.51019	4.41005	10.45736	2.92154	0.000000	21.312
8	0.136	0.000259	0.00041	0.00432	1.37671	1.79276	4.96198	4.75180	1.28067	14.169
9	0.000	0.000000	0.00016	0.00174	0.54465	0.70313	2.01713	2.25471	2.08298	7.605
			0.000000	0.00070	0.21913	0.27817	0.79112	0.91658	0.98837	3.194
				0.000000	0.08770	0.11192	0.31298	0.35948	0.40179	1.274
					0.000000	0.04479	0.12592	0.14222	0.15758	0.471
						0.000000	0.05040	0.05722	0.06234	0.170
							0.000000	0.02290	0.02508	0.048
								0.000000	0.01004	0.010
									0.000000	0.000

Lampiran 39. Debit hitung TRMM 18 Januari 2018

T (jam)	Q (m3/s/cm)	Tropical Rainfall Measuring Mission (TRMM)												Q hitung	
		Pe1	Pe2	Pe3	Pe4	Pe5	Pe6	Pe7	Pe8	Pe9	Pe10	Pe11	Pe12		
		0	0	0.026400	0.077300	0.194600	0.299100	0.322000	0.288000	0.131500	0.078500	0.148000	0.037300		
0	0.000	0													0.000
1	17.400	0	0												0.000
2	28.301	0	0	0.00000											0.000
3	13.429	0	0	0.45937	0.00000										0.459
4	5.459	0	0	0.74716	1.34506	0.00000									2.092
5	2.141	0	0	0.35452	2.18770	3.38613	0.00000								5.928
6	0.847	0	0	0.14412	1.03805	5.50745	5.20448	0.00000							11.894
7	0.341	0	0	0.05652	0.42199	2.61327	8.46494	5.60295	0.00000						17.160
8	0.136	0	0	0.02236	0.16550	1.06234	4.01659	9.11304	5.01133	0.00000					19.391
9	0.000	0	0	0.00900	0.06548	0.41665	1.63281	4.32411	8.15080	2.28816	0.00000				16.887
			0	0.00360	0.02634	0.16484	0.64039	1.75782	3.86753	3.72163	1.36594	0.00000			11.548
				0.00000	0.01054	0.06632	0.25335	0.68942	1.57222	1.76590	2.22166	2.57527	0.00000		9.155
					0.00000	0.02654	0.10193	0.27275	0.61663	0.71787	1.05417	4.18860	0.64904		7.628
						0.00000	0.04079	0.10973	0.24395	0.28155	0.42854	1.98748	1.05564		4.148
							0.00000	0.04392	0.09815	0.11139	0.16807	0.80794	0.50090		1.730
								0.00000	0.03928	0.04481	0.06649	0.31688	0.20362		0.671
									0.00000	0.01794	0.02675	0.12536	0.07986		0.250
										0.00000	0.01071	0.05044	0.03159		0.093
											0.00000	0.02019	0.01271		0.033
												0.00000	0.00509		0.005
													0.00000		0.000

Lampiran 40. Debit hitung ARR 22 s/d 23 Januari 2018

T (jam)	Q (m ³ /s/cm)	Automatic Rainfall Recorder (ARR)						Q hitung
		Pe1	Pe2	Pe3	Pe4	Pe5	Pe6	
		0.061300	0.315800	0.100200	0.069300	0.031900	0.025400	
0	0.000	0.000						0.000
1	17.400	1.067	0.000					1.067
2	28.301	1.735	5.495	0.000				7.230
3	13.429	0.823	8.938	1.744	0.000			11.504
4	5.459	0.335	4.241	2.836	1.206	0.000		8.617
5	2.141	0.131	1.724	1.346	1.961	0.555	0.000	5.717
6	0.847	0.052	0.676	0.547	0.931	0.903	0.442	3.550
7	0.341	0.021	0.267	0.215	0.378	0.428	0.719	2.028
8	0.136	0.008	0.108	0.085	0.148	0.174	0.341	0.864
9	0.000	0.000	0.043	0.034	0.059	0.068	0.139	0.343
			0.000	0.014	0.024	0.027	0.054	0.119
				0.000	0.009	0.011	0.022	0.042
					0.000	0.004	0.009	0.013
						0.000	0.003	0.003
							0.000	0.000

Lampiran 41. Debit hitung TRMM 22 s/d 23 Januari 2018

T (jam)	Q (m3/s/cm)	<i>Tropical Rainfall Measuring Mission (TRMM)</i>									Q hitung
		<i>Pe1</i>	<i>Pe2</i>	<i>Pe3</i>	<i>Pe4</i>	<i>Pe5</i>	<i>Pe6</i>	<i>Pe7</i>	<i>Pe8</i>	<i>Pe9</i>	
		0.001700	0.085100	0.138900	0.569800	0.535300	0.469600	0.304500	0.174400	0.033700	
0	0.000	0.000									0.000
1	17.400	0.030	0.000								0.030
2	28.301	0.048	1.481	0.000							1.529
3	13.429	0.023	2.408	2.417	0.000						4.848
4	5.459	0.009	1.143	3.931	9.915	0.000					14.998
5	2.141	0.004	0.465	1.865	16.126	9.314	0.000				27.774
6	0.847	0.001	0.182	0.758	7.652	15.150	8.171	0.000			31.915
7	0.341	0.001	0.072	0.297	3.111	7.188	13.290	5.298	0.000		29.258
8	0.136	0.000	0.029	0.118	1.220	2.922	6.306	8.618	3.035	0.000	22.248
9	0.000	0.000	0.012	0.047	0.483	1.146	2.564	4.089	4.936	0.586	13.863
			0.000	0.019	0.194	0.453	1.005	1.662	2.342	0.954	6.630
				0.000	0.078	0.182	0.398	0.652	0.952	0.453	2.714
					0.000	0.073	0.160	0.258	0.373	0.184	1.048
						0.000	0.064	0.104	0.148	0.072	0.388
							0.000	0.042	0.059	0.029	0.130
								0.000	0.024	0.011	0.035
									0.000	0.005	0.005
										0.000	0.000

Lampiran 42. Debit hitung ARR 02 s/d 03 Februari 2018

T (jam)	Q (m ³ /s/cm)	<i>Automatic Rainfall Recorder (ARR)</i>			Q hitung
		<i>Pe1</i>	<i>Pe2</i>	<i>Pe3</i>	
		0.001900	0.194100	0.543200	
0	0.000	0.000			0.000
1	17.400	0.033	0.000		0.033
2	28.301	0.054	3.377	0.000	3.431
3	13.429	0.026	5.493	9.452	14.971
4	5.459	0.010	2.607	15.373	17.990
5	2.141	0.004	1.060	7.295	8.358
6	0.847	0.002	0.416	2.965	3.383
7	0.341	0.001	0.164	1.163	1.328
8	0.136	0.000	0.066	0.460	0.527
9	0.000	0.000	0.026	0.185	0.212
			0.000	0.074	0.074
				0.000	0.000

Lampiran 43. Debit hitung TRMM 02 s/d 03 Februari 2018

T (jam)	Q (m ³ /s/cm)	Tropical Rainfall Measuring Mission (TRMM)									Q hitung
		Pe1	Pe2	Pe3	Pe4	Pe5	Pe6	Pe7	Pe8	Pe9	
		0.002200	0.003900	0.014700	0.141700	0.456600	0.192700	0.030400	0.003100	0.009200	
0	0.000	0.000									0.000
1	17.400	0.038	0.000								0.038
2	28.301	0.062	0.068	0.000							0.130
3	13.429	0.030	0.110	0.256	0.000						0.396
4	5.459	0.012	0.052	0.416	2.466	0.000					2.946
5	2.141	0.005	0.021	0.197	4.010	7.945	0.000				12.179
6	0.847	0.002	0.008	0.080	1.903	12.922	3.353	0.000			18.269
7	0.341	0.001	0.003	0.031	0.774	6.132	5.454	0.529	0.000		12.923
8	0.136	0.000	0.001	0.012	0.303	2.493	2.588	0.860	0.054	0.000	6.312
9	0.000	0.000	0.001	0.005	0.120	0.978	1.052	0.408	0.088	0.160	2.811
			0.000	0.002	0.048	0.387	0.413	0.166	0.042	0.260	1.318
				0.000	0.019	0.156	0.163	0.065	0.017	0.124	0.544
					0.000	0.062	0.066	0.026	0.007	0.050	0.211
						0.000	0.026	0.010	0.003	0.020	0.059
							0.000	0.004	0.001	0.008	0.013
								0.000	0.000	0.003	0.004
									0.000	0.001	0.001
										0.000	0.000

Lampiran 44. Debit hitung ARR 04 s/d 05 Februari 2018

T (jam)	Q (m ³ /s/cm)	Automatic Rainfall Recorder (ARR)									Q hitung
		Pe1	Pe2	Pe3	Pe4	Pe5	Pe6	Pe7	Pe8	Pe9	
		0.019100	0.523000	0.864500	0.216700	0.474500	0.977500	0.720600	0.024200	0.043000	
0	0.000	0.000									0.000
1	17.400	0.332	0.000								0.332
2	28.301	0.541	9.100	0.000							9.641
3	13.429	0.256	14.802	15.043	0.000						30.101
4	5.459	0.104	7.023	24.467	3.771	0.000					35.365
5	2.141	0.041	2.855	11.609	6.133	8.257	0.000				28.895
6	0.847	0.016	1.120	4.719	2.910	13.429	17.009	0.000			39.203
7	0.341	0.007	0.443	1.851	1.183	6.372	27.665	12.539	0.000		50.059
8	0.136	0.003	0.178	0.732	0.464	2.590	13.127	20.394	0.421	0.000	37.909
9	0.000	0.000	0.071	0.295	0.184	1.016	5.336	9.677	0.685	0.748	18.012
			0.000	0.118	0.074	0.402	2.093	3.934	0.325	1.217	8.162
				0.000	0.030	0.162	0.828	1.543	0.132	0.577	3.272
					0.000	0.065	0.333	0.610	0.052	0.235	1.295
						0.000	0.133	0.246	0.020	0.092	0.491
							0.000	0.098	0.008	0.036	0.143
								0.000	0.003	0.015	0.018
									0.000	0.006	0.006
										0.000	0.000

Lampiran 45. Debit hitung TRMM 04 s/d 05 Februari 2018

T (jam)	Q (m3/s/cm)	<i>Tropical Rainfall Measuring Mission (TRMM)</i>						Q hitung
		<i>Pe1</i>	<i>Pe2</i>	<i>Pe3</i>	<i>Pe4</i>	<i>Pe5</i>	<i>Pe6</i>	
		0.000000	0.000300	0.013600	0.058300	0.258500	0.033800	
0	0.000	0.000						0.000
1	17.400	0.000	0.000					0.000
2	28.301	0.000	0.005	0.000				0.005
3	13.429	0.000	0.008	0.237	0.000			0.245
4	5.459	0.000	0.004	0.385	1.014	0.000		1.403
5	2.141	0.000	0.002	0.183	1.650	4.498	0.000	6.332
6	0.847	0.000	0.001	0.074	0.783	7.316	0.588	8.762
7	0.341	0.000	0.000	0.029	0.318	3.471	0.957	4.776
8	0.136	0.000	0.000	0.012	0.125	1.411	0.454	2.002
9	0.000	0.000	0.000	0.005	0.049	0.553	0.185	0.792
			0.000	0.002	0.020	0.219	0.072	0.313
				0.000	0.008	0.088	0.029	0.125
					0.000	0.035	0.012	0.047
						0.000	0.005	0.005
							0.000	0.000

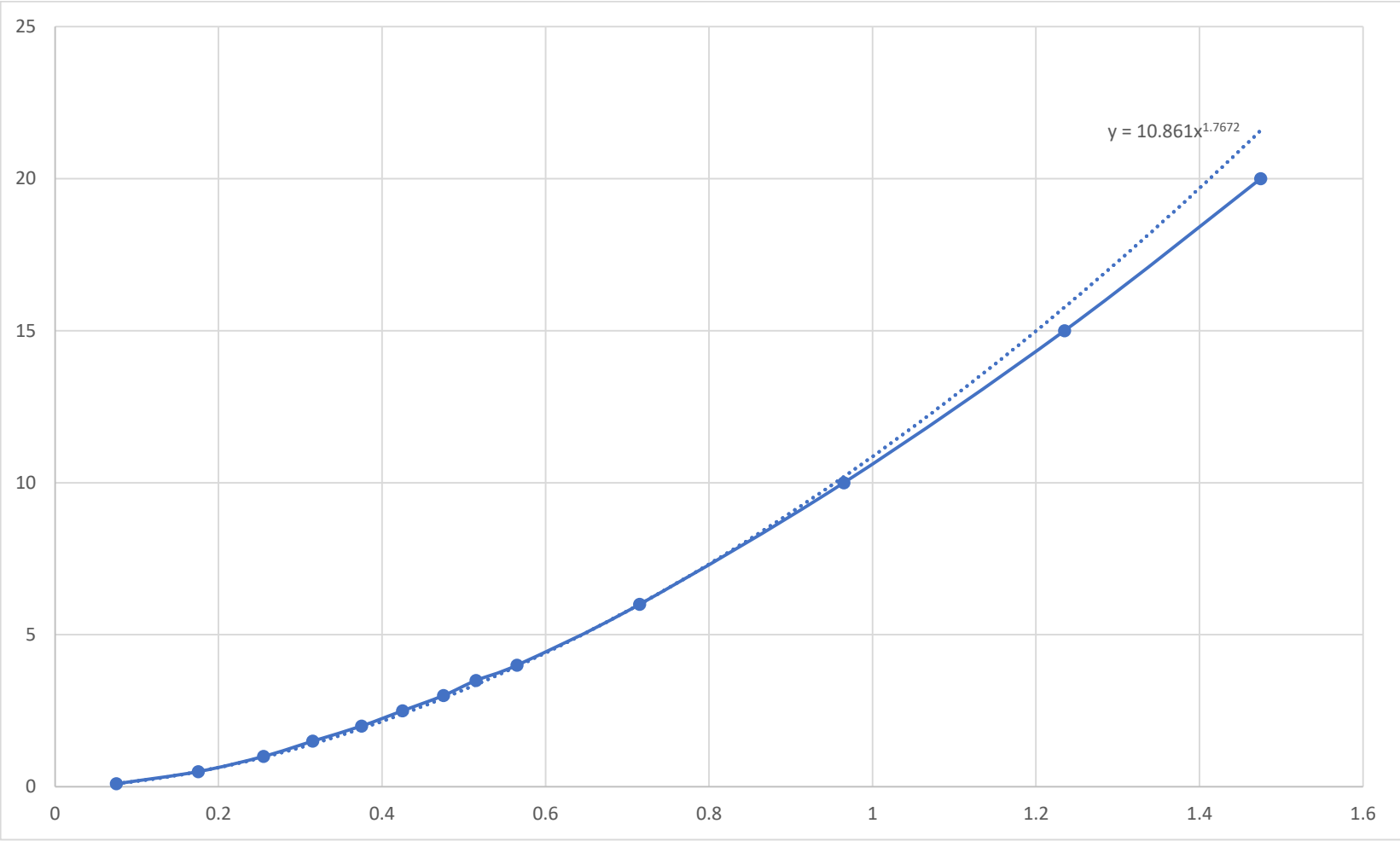
Lampiran 46. Debit hitung ARR 07 s/d 08 Februari 2018

T (jam)	Q (m ³ /s/cm)	Automatic Rainfall Recorder (ARR)									Q hitung
		Pe1	Pe2	Pe3	Pe4	Pe5	Pe6	Pe7	Pe8	Pe9	
		0.000000	0.046000	0.150000	0.243700	0.482500	0.870900	0.655900	0.010800	0.027400	
0	0.000	0.000									0.000
1	17.400	0.000	0.000								0.000
2	28.301	0.000	0.800	0.000							0.800
3	13.429	0.000	1.302	2.610	0.000						3.912
4	5.459	0.000	0.618	4.245	4.240	0.000					9.103
5	2.141	0.000	0.251	2.014	6.897	8.396	0.000				17.558
6	0.847	0.000	0.098	0.819	3.273	13.655	15.154	0.000			32.999
7	0.341	0.000	0.039	0.321	1.330	6.479	24.648	11.413	0.000		44.231
8	0.136	0.000	0.016	0.127	0.522	2.634	11.695	18.563	0.188	0.000	33.745
9	0.000	0.000	0.006	0.051	0.206	1.033	4.754	8.808	0.306	0.477	15.642
			0.000	0.020	0.083	0.409	1.865	3.581	0.145	0.775	6.878
				0.000	0.033	0.164	0.738	1.404	0.059	0.368	2.767
					0.000	0.066	0.297	0.556	0.023	0.150	1.091
						0.000	0.119	0.224	0.009	0.059	0.410
							0.000	0.089	0.004	0.023	0.116
								0.000	0.001	0.009	0.011
									0.000	0.004	0.004
										0.000	0.000

Lampiran 47. Debit hitung TRMM 07 s/d 08 Februari 2018

T (jam)	Q (m3/s/cm)	<i>Tropical Rainfall Measuring Mission (TRMM)</i>									Q hitung
		<i>Pe1</i>	<i>Pe2</i>	<i>Pe3</i>	<i>Pe4</i>	<i>Pe5</i>	<i>Pe6</i>	<i>Pe7</i>	<i>Pe8</i>	<i>Pe9</i>	
		0.004400	0.100900	0.529000	0.996500	1.488700	1.593200	1.171300	0.591300	0.256900	
0	0.000	0.000									0.000
1	17.400	0.077	0.000								0.077
2	28.301	0.125	1.756	0.000							1.880
3	13.429	0.059	2.856	9.205	0.000						12.120
4	5.459	0.024	1.355	14.971	17.340	0.000					33.690
5	2.141	0.009	0.551	7.104	28.202	25.904	0.000				61.771
6	0.847	0.004	0.216	2.888	13.382	42.132	27.722	0.000			86.344
7	0.341	0.001	0.085	1.133	5.440	19.992	45.090	20.381	0.000		92.122
8	0.136	0.001	0.034	0.448	2.134	8.127	21.395	33.149	10.289	0.000	75.577
9	0.000	0.000	0.014	0.180	0.844	3.187	8.697	15.729	16.735	4.470	49.857
			0.000	0.072	0.340	1.261	3.411	6.394	7.941	7.271	26.689
				0.000	0.136	0.507	1.350	2.508	3.228	3.450	11.178
					0.000	0.203	0.543	0.992	1.266	1.402	4.407
						0.000	0.217	0.399	0.501	0.550	1.667
							0.000	0.160	0.202	0.218	0.579
								0.000	0.081	0.088	0.168
									0.000	0.035	0.035
										0.000	0.000

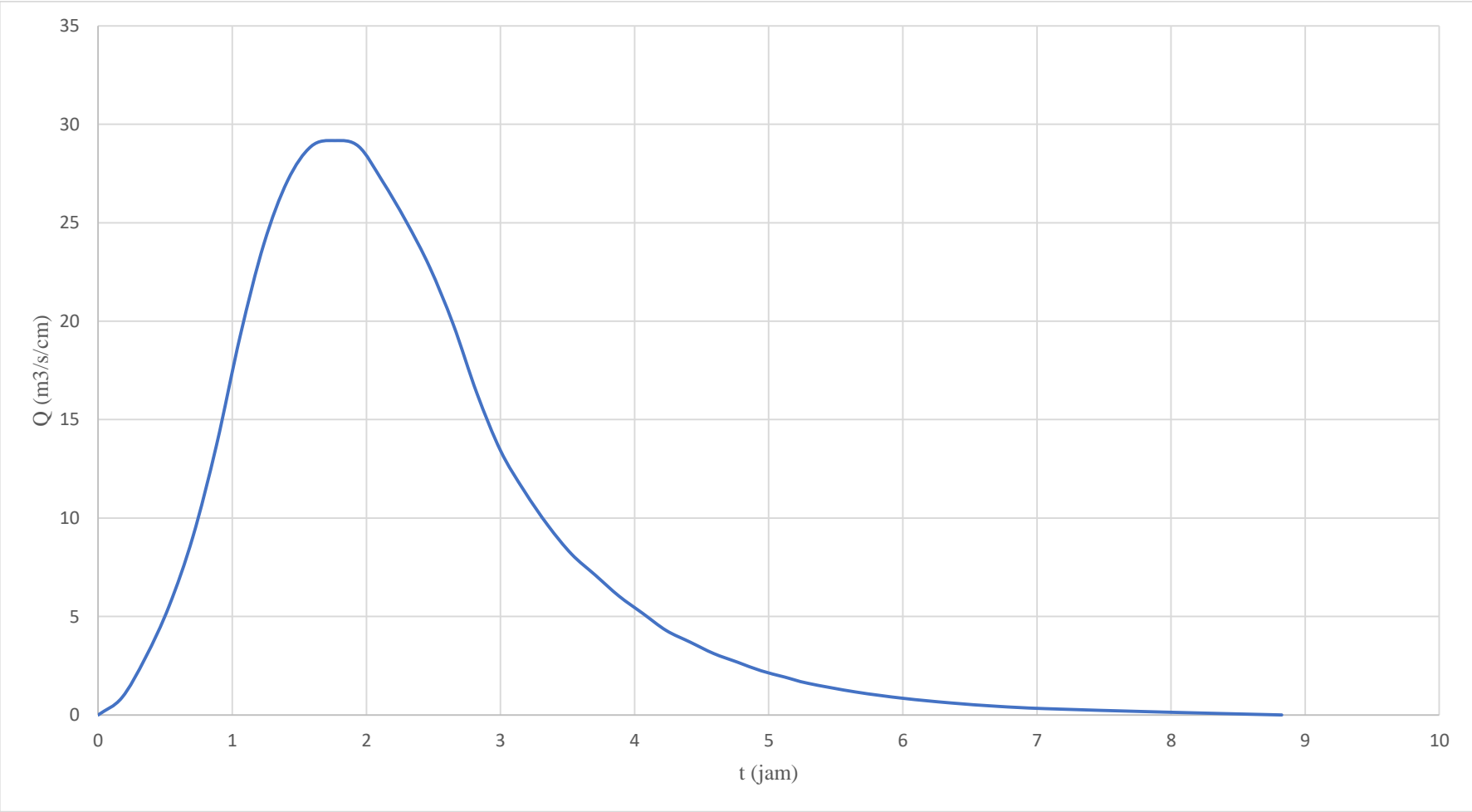
Lampiran 48. Rating Curve



Lampiran 49. Hitungan Hidrograf Satuan Sintetis

t/T_p	q/Q_p	T (jam)	Q (m ³ /s/cm)
0	0	0	0
0.1	0.03	0.177	0.875
0.2	0.10	0.353	2.917
0.3	0.19	0.530	5.543
0.4	0.31	0.706	9.044
0.5	0.47	0.883	13.711
0.6	0.66	1.059	19.254
0.7	0.82	1.236	23.922
0.8	0.93	1.412	27.131
0.9	0.99	1.589	28.881
1	1.00	1.765	29.173
1.1	0.99	1.942	28.881
1.2	0.93	2.118	27.131
1.3	0.86	2.295	25.089
1.4	0.78	2.471	22.755
1.5	0.68	2.648	19.837
1.6	0.56	2.824	16.337
1.7	0.46	3.001	13.419
1.8	0.39	3.177	11.377
1.9	0.33	3.354	9.627
2	0.28	3.530	8.168
2.1	0.24	3.707	7.104
2.2	0.21	3.883	6.039
2.3	0.18	4.060	5.164
2.4	0.15	4.236	4.288
2.5	0.13	4.413	3.705
2.6	0.11	4.589	3.121
2.7	0.09	4.766	2.684
2.8	0.08	4.942	2.246
2.9	0.07	5.119	1.925
3	0.06	5.295	1.605
3.2	0.04	5.648	1.167
3.4	0.03	6.001	0.846
3.6	0.02	6.354	0.613
3.8	0.02	6.707	0.438
4	0.01	7.060	0.321
4.5	0.01	7.943	0.146
5	0.00	8.825	0

Lampiran 50. Hidrograf Satuan Sintetis SCS



Lampiran 51. Kriteria Nilai Koefisien Efisiensi

Nilai Koefisien Efisiensi (CE)	Interpretasi
$CE > 0.75$	Optimasi sangat efisien
$0.36 < CE < 0.75$	Optimasi cukup efisien
$CE < 0.36$	Optimasi tidak efisien