Lampiran 5. Perhitungan Konsentrasi COD

Konsentrasi COD influent Senin, 07 Mei 2018

Sampel 1:

y   = -0,0024x + 0,2669

0,191   = -0,0024x + 0,2669

x   = ((0,191-0,2669)/-0,0024)*10

x   = 316 mg/l (Nilai COD sampel 1)

Sampel 2:

y   = -0,0024x + 0,2669

0,196   = -0,0024x + 0,2669

x   = ((0,196-0,2669)/-0,0024)*10

x   = 295 mg/l (Nilai COD sampel 2)

Rata-rata konsentrasi COD

Rata-rata   = (Sampel 1+ Sampel 2)/2

                 = (316 mg/l + 295 mg/l)/2 = 306 mg/l

RPD $¿\left(\dfrac{hasil\,pengukuran - duplikat\,pengukuran}{\dfrac{hasil\,pengukuran + duplikat\,pengukuran}{2}}\right) x\,100$

                 $¿\left(\dfrac{316-295}{\dfrac{316+295}{2}}\right) x\,100$

                 = 6,81% (memenuhi, karna RPD ≤ 10%)

%Removal $\quad ¿\dfrac{Influent - Effluent}{Influent} \, x \, 100$

$$¿\dfrac{316-295}{316} \, x \, 100 = -24{,}52 \, (tidak \, teremoval)$$

Hasil seluruh perhitungan dapat dilihat pada tabel dibawah ini.

Senin, 07 Mei 2018

No	Reaktor	Sampel		Absorbansi	Kadar COD	Rata-rata COD	RDP	% Removal
1	R. Andesit 1	Influent	Sampel 1	0.191	316	306	6.812%	-24.52%
			Sampel 2	0.196	295			
		Effluent	Sampel 1	0.174	387	381	3.282%	
			Sampel 2	0.177	375			
2	R. Andesit 2	Influent	Sampel 1	0.191	316	306	6.812%	0.00%
			Sampel 2	0.196	295			
		Effluent	Sampel 1	0.193	308	306	1.362%	
			Sampel 2	0.194	304			

Selasa, 08 Mei 2018

No	Reaktor	Sampel		Absorbansi	Kadar COD	Rata-rata COD	RDP	% Removal
1	R. Andesit 1	Influent	Sampel 1	0.203	266	256	8.143%	-17.10%
			Sampel 2	0.208	245			
		Effluent	Sampel 1	0.195	300	300	0.000%	
			Sampel 2	0.195	300			
2	R. Andesit 2	Influent	Sampel 1	0.203	266	256	8.143%	-10.59%
			Sampel 2	0.208	245			
		Effluent	Sampel 1	0.198	287	283	2.946%	
			Sampel 2	0.2	279			

Kamis, 10 Mei 2018

No	Reaktor	Sampel		Absorbansi	Kadar COD	Rata-rata COD	RDP	% Removal
1	R. Andesit 1	Influent	Sampel 1	0.132	562	556	2.249%	33.73%
			Sampel 2	0.135	550			
		Effluent	Sampel 1	0.176	379	368	5.656%	
			Sampel 2	0.181	358			
2	R. Andesit 2	Influent	Sampel 1	0.132	562	556	2.249%	35.98%
			Sampel 2	0.135	550			
		Effluent	Sampel 1	0.181	358	356	1.171%	
			Sampel 2	0.182	354			

Jumat 11 Mei 2018

No	Reaktor	Sampel		Absorbansi	Kadar COD	Rata-rata COD	RDP	% Removal
1	R. Andesit 1	Influent	Sampel 1	0.143	418	405	6.742%	28.65%
			Sampel 2	0.149	391			
		Effluent	Sampel 1	0.171	291	289	1.575%	
			Sampel 2	0.172	286			
2	R. Andesit 2	Influent	Sampel 1	0.143	418	405	6.742%	10.67%
			Sampel 2	0.149	391			
		Effluent	Sampel 1	0.155	364	361	1.258%	
			Sampel 2	0.156	359			

Sabtu 12 mei 2018

No	Reaktor	Sampel		Absorbansi	Kadar COD	Rata-rata COD	RDP	% Removal
1	R. Andesit 1	Influent	Sampel 1	0.163	327	318	5.714%	-7.14%
			Sampel 2	0.167	309			
		Effluent	Sampel 1	0.16	341	341	0.000%	
			Sampel 2	0.16	341			
2	R. Andesit 2	Influent	Sampel 1	0.163	327	318	5.714%	4.29%
			Sampel 2	0.167	309			
		Effluent	Sampel 1	0.167	309	305	2.985%	
			Sampel 2	0.169	300			

Minggu 13 mei 2018

No	Reaktor	Sampel		Absorbansi	Kadar COD	Rata-rata COD	RDP	% Removal
1	R. Andesit 1	Influent	Sampel 1	0.117	536	511	9.778%	-51.11%
			Sampel 2	0.128	486			
		Effluent	Sampel 1	0.064	777	773	1.176%	
			Sampel 2	0.066	768			
2	R. Andesit 2	Influent	Sampel 1	0.117	536	511	9.778%	-41.33%
			Sampel 2	0.128	486			
		Effluent	Sampel 1	0.075	727	723	1.258%	
			Sampel 2	0.077	718			

Senin 14 Mei 2018

No	Reaktor	Sampel		Absorbansi	Kadar COD	Rata-rata COD	RDP	% Removal
1	R. Andesit 1	Influent	Sampel 1	0.198	287	283	2.946%	8.84%
			Sampel 2	0.2	279			
		Effluent	Sampel 1	0.201	275	258	12.924%	
			Sampel 2	0.209	241			
2	R. Andesit 2	Influent	Sampel 1	0.198	287	283	2.946%	-0.74%
			Sampel 2	0.2	279			
		Effluent	Sampel 1	0.197	291	285	4.386%	
			Sampel 2	0.2	279			

Selasa, 15 Mei 2018

No	Reaktor	Sampel		Absorbansi	Kadar COD	Rata-rata COD	RDP	% Removal
1	R. Andesit 1	Influent	Sampel 1	0.122	604	591	4.228%	0.35%
			Sampel 2	0.128	579			
		Effluent	Sampel 1	0.124	595	589	2.122%	
			Sampel 2	0.127	583			
2	R. Andesit 2	Influent	Sampel 1	0.122	604	591	4.228%	0.70%
			Sampel 2	0.128	579			
		Effluent	Sampel 1	0.125	591	587	1.419%	
			Sampel 2	0.127	583			

Rab, 16 Mei 2018

No	Reaktor	Sampel		Absorbansi	Kadar COD	Rata-rata COD	RDP	% Removal
1	R. Andesit 1	Influent	Sampel 1	0.127	583	570	4.383%	-9.86%
			Sampel 2	0.133	558			
		Effluent	Sampel 1	0.116	629	627	0.665%	
			Sampel 2	0.117	625			
2	R. Andesit 2	Influent	Sampel 1	0.127	583	570	4.383%	-2.56%
			Sampel 2	0.133	558			
		Effluent	Sampel 1	0.126	587	585	0.712%	
			Sampel 2	0.127	583			

Kamis, 17 Mei 2018

No	Reaktor	Sampel		Absorbansi	Kadar COD	Rata-rata COD	RDP	% Removal
1	R. Andesit 1	Influent	Sampel 1	0.187	333	331	1.259%	-25.82%
			Sampel 2	0.188	329			
		Effluent	Sampel 1	0.164	429	416	6.006%	
			Sampel 2	0.17	404			
2	R. Andesit 2	Influent	Sampel 1	0.187	333	331	1.259%	-3.15%
			Sampel 2	0.188	329			
		Effluent	Sampel 1	0.181	358	341	9.768%	
			Sampel 2	0.189	325			

Jum'at, 18 Mei 2018

No	Reaktor	Sampel		Absorbansi	Kadar COD	Rata-rata COD	RDP	% Removal
1	R. Andesit 1	Influent	Sampel 1	0.146	504	491	5.089%	-0.42%
			Sampel 2	0.152	479			
		Effluent	Sampel 1	0.148	495	493	0.845%	
			Sampel 2	0.149	491			
2	R. Andesit 2	Influent	Sampel 1	0.146	504	491	5.089%	13.15%
			Sampel 2	0.152	479			
		Effluent	Sampel 1	0.167	416	427	-4.883%	
			Sampel 2	0.162	437			

Sabtu, 19 Mei 2018

No	Reaktor	Sampel		Absorbansi	Kadar COD	Rata-rata COD	RDP	% Removal
1	R. Andesit 1	Influent	Sampel 1	0.149	491	468	9.786%	4.89%
			Sampel 2	0.16	445			
		Effluent	Sampel 1	0.157	458	445	5.613%	
			Sampel 2	0.163	433			
2	R. Andesit 2	Influent	Sampel 1	0.149	491	468	9.786%	12.46%
			Sampel 2	0.16	445			
		Effluent	Sampel 1	0.16	445	410	17.276%	
			Sampel 2	0.177	375			

Minggu, 20 Mei 2018

No	Reaktor	Sampel		Absorbansi	Kadar COD	Rata-rata COD	RDP	% Removal
1	R. Andesit 1	Influent	Sampel 1	0.153	475	454	9.183%	9.64%
			Sampel 2	0.163	433			
		Effluent	Sampel 1	0.167	416	410	3.049%	
			Sampel 2	0.17	404			
2	R. Andesit 2	Influent	Sampel 1	0.153	475	454	9.183%	31.68%
			Sampel 2	0.163	433			
		Effluent	Sampel 1	0.191	316	310	4.032%	
			Sampel 2	0.194	304			

Senin, 21 Mei 2018

No	Reaktor	Sampel		Absorbansi	Kadar COD	Rata-rata COD	RDP	% Removal
1	R. Andesit 1	Influent	Sampel 1	0.162	437	420	7.929%	14.87%
			Sampel 2	0.17	404			
		Effluent	Sampel 1	0.18	362	358	2.328%	
			Sampel 2	0.182	354			
2	R. Andesit 2	Influent	Sampel 1	0.162	437	420	7.929%	37.66%
			Sampel 2	0.17	404			
		Effluent	Sampel 1	0.202	270	262	6.359%	
			Sampel 2	0.206	254			

Selasa, 22 Mei 2018

No	Reaktor	Sampel		Absorbansi	Kadar COD	Rata-rata COD	RDP	% Removal
1	R. Andesit 1	Influent	Sampel 1	0.152	479	470	3.543%	25.24%
			Sampel 2	0.156	462			
		Effluent	Sampel 1	0.182	354	352	1.185%	
			Sampel 2	0.183	350			
	R. Andesit 2	Influent	Sampel 1	0.152	479	470	3.543%	31.44%
			Sampel 2	0.156	462			
		Effluent	Sampel 1	0.189	325	323	1.292%	
			Sampel 2	0.19	320			

Rabu, 23 Mei 2018

No	Reaktor	Sampel		Absorbansi	Kadar COD	Rata-rata COD	RDP	% Removal
1	R. Andesit 1	Influent	Sampel 1	0.14	529	525	1.589%	33.76%
			Sampel 2	0.142	520			
		Effluent	Sampel 1	0.18	362	348	8.393%	
			Sampel 2	0.187	333			
	R. Andesit 2	Influent	Sampel 1	0.14	529	525	1.589%	37.73%
			Sampel 2	0.142	520			
		Effluent	Sampel 1	0.185	341	327	8.929%	
			Sampel 2	0.192	312			

Kamis, 24 mei 2018

No	Reaktor	Sampel		Absorbansi	Kadar COD	Rata-rata COD	RDP	% Removal
1	R. Andesit 1	Influent	Sampel 1	0.116	629	627	0.665%	24.27%
			Sampel 2	0.117	625			
		Effluent	Sampel 1	0.151	483	475	3.512%	
			Sampel 2	0.155	466			
2	R. Andesit 2	Influent	Sampel 1	0.116	629	627	0.665%	30.59%
			Sampel 2	0.117	625			
		Effluent	Sampel 1	0.159	450	435	6.705%	
			Sampel 2	0.166	420			

Jumat, 25 mei 2018

No	Reaktor	Sampel		Absorbansi	Kadar COD	Rata-rata COD	RDP	% Removal
1	R. Andesit 1	Influent	Sampel 1	0.216	212	204	8.180%	34.76%
			Sampel 2	0.22	195			
		Effluent	Sampel 1	0.234	137	133	6.270%	
			Sampel 2	0.236	129			
2	R. Andesit 2	Influent	Sampel 1	0.216	212	204	8.180%	37.83%
			Sampel 2	0.22	195			
		Effluent	Sampel 1	0.236	129	127	3.289%	
			Sampel 2	0.237	125			

Sabtu, 26 mei 2018

No	Reaktor	Sampel		Absorbansi	Kadar COD	Rata-rata COD	RDP	% Removal
1	R. Andesit 1	Influent	Sampel 1	0.081	775	773	0.539%	38.30%
			Sampel 2	0.082	770			
		Effluent	Sampel 1	0.147	500	477	9.615%	
			Sampel 2	0.158	454			
2	R. Andesit 2	Influent	Sampel 1	0.081	775	773	0.539%	39.37%
			Sampel 2	0.082	770			
		Effluent	Sampel 1	0.152	479	468	4.448%	
			Sampel 2	0.157	458			

Minggu, 27 mei 2018

No	Reaktor	Sampel		Absorbansi	Kadar COD	Rata-rata COD	RDP	% Removal
1	R. Andesit 1	Influent	Sampel 1	0.129	575	562	4.448%	31.13%
			Sampel 2	0.135	550			
		Effluent	Sampel 1	0.172	395	387	4.306%	
			Sampel 2	0.176	379			
2	R. Andesit 2	Influent	Sampel 1	0.129	575	562	4.448%	37.06%
			Sampel 2	0.135	550			
		Effluent	Sampel 1	0.179	366	354	7.067%	
			Sampel 2	0.185	341			

Senin, 28 mei 2018

No	Reaktor	Sampel		Absorbansi	Kadar COD	Rata-rata COD	RDP	% Removal
1	R. Andesit 1	Influent	Sampel 1	0.119	616	608	2.742%	34.96%
			Sampel 2	0.123	600			
		Effluent	Sampel 1	0.169	408	395	6.322%	
			Sampel 2	0.175	383			
2	R. Andesit 2	Influent	Sampel 1	0.119	616	608	2.742%	35.64%
			Sampel 2	0.123	600			
		Effluent	Sampel 1	0.17	404	391	6.390%	
			Sampel 2	0.176	379			

Selasa, 29 mei 2018

No	Reaktor	Sampel		Absorbansi	Kadar COD	Rata-rata COD	RDP	% Removal
1	R. Andesit 1 (Running 1 jam)	Influent	Sampel 1	0.111	650	650	0.000%	14.11%
			Sampel 2	0.111	650			
		Effluent	Sampel 1	0.132	562	558	1.494%	
			Sampel 2	0.134	554			
2	R. Andesit 2 (Running 2 jam)	Influent	Sampel 1	0.11	654	652	0.639%	29.09%
			Sampel 2	0.111	650			
		Effluent	Sampel 1	0.154	470	462	3.607%	
			Sampel 2	0.158	454			

Rabu, 30 mei 2018

No	Reaktor	Sampel		Absorbansi	Kadar COD	Rata-rata COD	RDP	% Removal
1	R. Andesit 1 (Running 1 jam)	Influent	Sampel 1	0.157	458	445	5.613%	16.84%
			Sampel 2	0.163	433			
		Effluent	Sampel 1	0.177	375	370	2.250%	
			Sampel 2	0.179	366			
2	R. Andesit 2 (Running 2 jam)	Influent	Sampel 1	0.157	458	445	5.613%	25.26%
			Sampel 2	0.163	433			
		Effluent	Sampel 1	0.186	337	333	2.503%	
			Sampel 2	0.188	329			

Kamis, 31 mei 2018

No	Reaktor	Sampel		Absorbansi	Kadar COD	Rata-rata COD	RDP	% Removal
1	R. Andesit 1 (Running 1 jam)	Influent	Sampel 1	0.193	308	304	2.743%	15.78%
			Sampel 2	0.195	300			
		Effluent	Sampel 1	0.203	266	256	8.143%	
			Sampel 2	0.208	245			
2	R. Andesit 2 (Running 2 jam)	Influent	Sampel 1	0.193	308	304	2.743%	25.38%
			Sampel 2	0.195	300			
		Effluent	Sampel 1	0.21	237	227	9.191%	
			Sampel 2	0.215	216			

Jum'at, 01 Juni 2018

No	Reaktor	Sampel		Absorbansi	Kadar COD	Rata-rata COD	RDP	% Removal
1	R. Andesit 1 (Running 1 jam)	Influent	Sampel 1	0.168	412	402	5.187%	17.12%
			Sampel 2	0.173	391			
		Effluent	Sampel 1	0.184	345	333	7.509%	
			Sampel 2	0.19	320			
2	R. Andesit 2 (Running 2 jam)	Influent	Sampel 1	0.168	412	402	5.187%	26.45%
			Sampel 2	0.173	391			
		Effluent	Sampel 1	0.193	308	295	8.463%	
			Sampel 2	0.199	283			

Sabtu, 02 Juni 2018

No	Reaktor	Sampel		Absorbansi	Kadar COD	Rata-rata COD	RDP	% Removal
1	R. Andesit 1 (Running 1 jam)	Influent	Sampel 1	0.184	345	339	3.686%	17.20%
			Sampel 2	0.187	333			
		Effluent	Sampel 1	0.196	295	281	10.386%	
			Sampel 2	0.203	266			
2	R. Andesit 2 (Running 2 jam)	Influent	Sampel 1	0.184	345	339	3.686%	23.34%
			Sampel 2	0.187	333			
		Effluent	Sampel 1	0.199	283	260	17.628%	
			Sampel 2	0.21	237			

Minggu, 03 Juni 2018

No	Reaktor	Sampel		Absorbansi	Kadar COD	Rata-rata COD	RDP	% Removal
1	R. Andesit 1 (Running 1 jam)	Influent	Sampel 1	0.183	350	341	4.884%	15.87%
			Sampel 2	0.187	333			
		Effluent	Sampel 1	0.197	291	287	2.903%	
			Sampel 2	0.199	283			
2	R. Andesit 2 (Running 2 jam)	Influent	Sampel 1	0.183	350	341	4.884%	17.09%
			Sampel 2	0.187	333			
		Effluent	Sampel 1	0.198	287	283	2.946%	
			Sampel 2	0.2	279			

Senin, 04 Juni 2018

No	Reaktor	Sampel		Absorbansi	Kadar COD	Rata-rata COD	RDP	% Removal
1	R. Andesit 1 (Running 1 jam)	Influent	Sampel 1	0.172	395	393	1.059%	13.77%
			Sampel 2	0.173	391			
		Effluent	Sampel 1	0.185	341	339	1.229%	
			Sampel 2	0.186	337			
2	R. Andesit 2 (Running 2 jam)	Influent	Sampel 1	0.172	395	393	1.059%	23.31%
			Sampel 2	0.173	391			
		Effluent	Sampel 1	0.194	304	302	1.381%	
			Sampel 2	0.195	300			

Kamis, 28 juni 2018

No	Reaktor	Sampel		Absorbansi	Kadar COD	Rata-rata COD	RDP	% Removal
1	R. Andesit 1	Influent	Sampel 1	0.023	1016	1010	1.238%	7.63%
			Sampel 2	0.026	1004			
		Effluent	Sampel 1	0.041	941	933	1.787%	
			Sampel 2	0.045	925			
2	R. Andesit 2	Influent	Sampel 1	0.023	1016	1010	1.238%	18.98%
			Sampel 2	0.026	1004			
		Effluent	Sampel 1	0.069	825	818	1.527%	
			Sampel 2	0.072	812			

jumat, 29 juni 2018

No	Reaktor	Sampel		Absorbansi	Kadar COD	Rata-rata COD	RDP	% Removal
1	R. Andesit 1	Influent	Sampel 1	0.149	491	479	5.222%	-33.51%
			Sampel 2	0.155	466			
		Effluent	Sampel 1	0.113	641	639	0.652%	
			Sampel 2	0.114	637			
2	R. Andesit 2	Influent	Sampel 1	0.149	491	479	5.222%	-20.45%
			Sampel 2	0.155	466			
		Effluent	Sampel 1	0.128	579	577	0.723%	
			Sampel 2	0.129	575			

sabtu, 30 juni 2018

No	Reaktor	Sampel		Absorbansi	Kadar COD	Rata-rata COD	RDP	% Removal
1	R. Andesit 1	Influent	Sampel 1	0.135	550	548	0.761%	25.11%
			Sampel 2	0.136	545			
		Effluent	Sampel 1	0.168	412	410	1.016%	
			Sampel 2	0.169	408			
2	R. Andesit 2	Influent	Sampel 1	0.135	550	548	0.761%	-4.19%
			Sampel 2	0.136	545			
		Effluent	Sampel 1	0.127	583	570	4.383%	
			Sampel 2	0.133	558			

minggu, 31 juni 2018

No	Reaktor	Sampel		Absorbansi	Kadar COD	Rata-rata COD	RDP	% Removal
1	R. Andesit 1	Influent	Sampel 1	0.177	375	360	8.102%	9.84%
			Sampel 2	0.184	345			
		Effluent	Sampel 1	0.188	329	325	2.567%	
			Sampel 2	0.19	320			
2	R. Andesit 2	Influent	Sampel 1	0.177	375	360	8.102%	-50.93%
			Sampel 2	0.184	345			
		Effluent	Sampel 1	0.134	554	543	3.834%	
			Sampel 2	0.139	533			

selasa, 2 juli 2018

No	Reaktor	Sampel		Absorbansi	Kadar COD	Rata-rata COD	RDP	% Removal
1	R. Andesit 1	Influent	Sampel 1	0.184	345	335	6.219%	-5.60%
			Sampel 2	0.189	325			
		Effluent	Sampel 1	0.179	366	354	7.067%	
			Sampel 2	0.185	341			
2	R. Andesit 2	Influent	Sampel 1	0.184	345	335	6.219%	-14.93%
			Sampel 2	0.189	325			
		Effluent	Sampel 1	0.17	404	385	9.740%	
			Sampel 2	0.179	366			

rabu, 3 juli 2018

No	Reaktor	Sampel		Absorbansi	Kadar COD	Rata-rata COD	RDP	% Removal
1	R. Andesit 1	Influent	Sampel 1	0.172	395	381	7.659%	-30.63%
			Sampel 2	0.179	366			
		Effluent	Sampel 1	0.144	512	498	5.863%	
			Sampel 2	0.151	483			
2	R. Andesit 2	Influent	Sampel 1	0.172	395	381	7.659%	1.09%
			Sampel 2	0.179	366			
		Effluent	Sampel 1	0.169	408	377	16.593%	
			Sampel 2	0.184	345			

kamis, 4 juli 2018

No	Reaktor	Sampel		Absorbansi	Kadar COD	Rata-rata COD	RDP	% Removal
1	R. Andesit 1	Influent	Sampel 1	0.153	475	470	1.771%	-13.29%
			Sampel 2	0.155	466			
		Effluent	Sampel 1	0.133	558	533	9.382%	
			Sampel 2	0.145	508			
2	R. Andesit 2	Influent	Sampel 1	0.153	475	470	1.771%	-9.74%
			Sampel 2	0.155	466			
		Effluent	Sampel 1	0.137	541	516	9.685%	
			Sampel 2	0.149	491			

jumat, 5 juli 2018

No	Reaktor	Sampel		Absorbansi	Kadar COD	Rata-rata COD	RDP	% Removal
1	R. Andesit 1	Influent	Sampel 1	0.156	462	445	7.484%	-10.29%
			Sampel 2	0.164	429			
		Effluent	Sampel 1	0.148	495	491	1.696%	
			Sampel 2	0.15	487			
2	R. Andesit 2	Influent	Sampel 1	0.156	462	445	7.484%	13.56%
			Sampel 2	0.164	429			
		Effluent	Sampel 1	0.173	391	385	3.247%	
			Sampel 2	0.176	379			

Sabtu, 7 juli 2018

No	Reaktor	Sampel		Absorbansi	Kadar COD	Rata-rata COD	RDP	% Removal
1	R. Andesit 1	Influent	Sampel 1	0.127	583	575	2.901%	-35.53%
			Sampel 2	0.131	566			
		Effluent	Sampel 1	0.078	787	779	2.140%	
			Sampel 2	0.082	770			
2	R. Andesit 2	Influent	Sampel 1	0.127	583	575	2.901%	-9.06%
			Sampel 2	0.131	566			
		Effluent	Sampel 1	0.113	641	627	4.654%	
			Sampel 2	0.12	612			

Minggu, 8 juli 2018

No	Reaktor	Sampel		Absorbansi	Kadar COD	Rata-rata COD	RDP	% Removal
1	R. Andesit 1	Influent	Sampel 1	0.108	662	654	2.549%	0.00%
			Sampel 2	0.112	645			
		Effluent	Sampel 1	0.109	658	654	1.275%	
			Sampel 2	0.111	650			
2	R. Andesit 2	Influent	Sampel 1	0.108	662	654	2.549%	-4.46%
			Sampel 2	0.112	645			
		Effluent	Sampel 1	0.101	691	683	2.441%	
			Sampel 2	0.105	675			

Selasa, 10 juli 2018

No	Reaktor	Sampel		Absorbansi	Kadar COD	Rata-rata COD	RDP	% Removal
1	R. Andesit 1	Influent	Sampel 1	0.13	570	564	2.216%	0.74%
			Sampel 2	0.133	558			
		Effluent	Sampel 1	0.131	566	560	2.232%	
			Sampel 2	0.134	554			
2	R. Andesit 2	Influent	Sampel 1	0.13	570	564	2.216%	9.60%
			Sampel 2	0.133	558			
		Effluent	Sampel 1	0.141	525	510	5.719%	
			Sampel 2	0.148	495			

Rabu, 11 Juli 2018

No	Reaktor	Sampel		Absorbansi	Kadar COD	Rata-rata COD	RDP	% Removal
1	R. Andesit 1	Influent	Sampel 1	0.097	708	706	0.590%	19.48%
			Sampel 2	0.098	704			
		Effluent	Sampel 1	0.13	570	568	0.733%	
			Sampel 2	0.131	566			
2	R. Andesit 2	Influent	Sampel 1	0.097	708	706	0.590%	16.23%
			Sampel 2	0.098	704			
		Effluent	Sampel 1	0.124	595	591	1.409%	
			Sampel 2	0.126	587			

Kamis, 12 juli 2018

No	Reaktor	Sampel		Absorbansi	Kadar COD	Rata-rata COD	RDP	%Removal
1	R. Andesit 1	Influent	Sampel 1	0.115	633	616	5.409%	14.54%
			Sampel 2	0.123	600			
		Effluent	Sampel 1	0.136	545	527	7.120%	
			Sampel 2	0.145	508			
2	R. Andesit 2	Influent	Sampel 1	0.115	633	616	5.409%	11.83%
			Sampel 2	0.123	600			
		Effluent	Sampel 1	0.135	550	543	2.301%	
			Sampel 2	0.138	537			

Jumat, 13 juli 2018

No	Reaktor	Sampel		Absorbansi	Kadar COD	Rata-rata COD	RDP	%Removal
1	R. Andesit 1	Influent	Sampel 1	0.102	687	679	2.455%	15.96%
			Sampel 2	0.106	670			
		Effluent	Sampel 1	0.128	579	570	2.922%	
			Sampel 2	0.132	562			
2	R. Andesit 2	Influent	Sampel 1	0.102	687	679	2.455%	8.90%
			Sampel 2	0.106	670			
		Effluent	Sampel 1	0.118	620	618	0.674%	
			Sampel 2	0.119	616			

Sabtu, 14 juli 2018

No	Reaktor	Sampel		Absorbansi	Kadar COD	Rata-rata COD	RDP	%Removal
1	R. Andesit 1	Influent	Sampel 1	0.113	641	633	2.633%	10.86%
			Sampel 2	0.117	625			
		Effluent	Sampel 1	0.128	579	564	5.170%	
			Sampel 2	0.135	550			
2	R. Andesit 2	Influent	Sampel 1	0.113	641	633	2.633%	11.19%
			Sampel 2	0.117	625			
		Effluent	Sampel 1	0.132	562	562	0.000%	
			Sampel 2	0.132	562			

Senin, 16 juli 2018

No	Reaktor	Sampel		Absorbansi	Kadar COD	Rata-rata COD	RDP	%Removal
1	R. Andesit 1	Influent	Sampel 1	0.077	791	779	3.210%	9.10%
			Sampel 2	0.083	766			
		Effluent	Sampel 1	0.096	712	708	1.177%	
			Sampel 2	0.098	704			
2	R. Andesit 2	Influent	Sampel 1	0.077	791	779	3.210%	9.63%
			Sampel 2	0.083	766			
		Effluent	Sampel 1	0.096	712	704	2.368%	
			Sampel 2	0.1	695			

Selasa, 17 juli 2018

No	Reaktor	Sampel		Absorbansi	Kadar COD	Rata-rata COD	RDP	%Removal
1	R. Andesit 1	Influent	Sampel 1	0.078	787	783	1.064%	9.58%
			Sampel 2	0.08	779			
		Effluent	Sampel 1	0.096	712	708	1.177%	
			Sampel 2	0.098	704			
2	R. Andesit 2	Influent	Sampel 1	0.078	787	783	1.064%	9.85%
			Sampel 2	0.08	779			
		Effluent	Sampel 1	0.097	708	706	0.590%	
			Sampel 2	0.098	704			

Rabu, 18 juli 2018

No	Reaktor	Sampel		Absorbansi	Kadar COD	Rata-rata COD	RDP	%Removal
1	R. Andesit 1	Influent	Sampel 1	0.082	770	770	0.000%	10.55%
			Sampel 2	0.082	770			
		Effluent	Sampel 1	0.098	704	689	4.232%	
			Sampel 2	0.105	675			
2	R. Andesit 2	Influent	Sampel 1	0.082	770	770	0.000%	10.82%
			Sampel 2	0.082	770			
		Effluent	Sampel 1	0.099	700	687	3.639%	
			Sampel 2	0.105	675			

Kamis, 19 juli 2018

No	Reaktor	Sampel		Absorbansi	Kadar COD	Rata-rata COD	RDP	%Removal
1	R. Andesit 1	Influent	Sampel 1	0.072	812	810	0.514%	8.74%
			Sampel 2	0.073	808			
		Effluent	Sampel 1	0.086	754	739	3.946%	
			Sampel 2	0.093	725			
2	R. Andesit 2	Influent	Sampel 1	0.072	812	810	0.514%	9.77%
			Sampel 2	0.073	808			
		Effluent	Sampel 1	0.09	737	731	1.710%	
			Sampel 2	0.093	725			

Jumat, 20 juli 2018

No	Reaktor	Sampel		Absorbansi	Kadar COD	Rata-rata COD	RDP	%Removal
1	R. Andesit 1	Influent	Sampel 1	0.07	820	802	4.678%	12.47%
			Sampel 2	0.079	783			
		Effluent	Sampel 1	0.096	712	702	2.969%	
			Sampel 2	0.101	691			
2	R. Andesit 2	Influent	Sampel 1	0.07	820	802	4.678%	12.73%
			Sampel 2	0.079	783			
		Effluent	Sampel 1	0.096	712	700	3.574%	
			Sampel 2	0.102	687			

Senin, 23 juli 2018

No	Reaktor	Sampel		Absorbansi	Kadar COD	Rata-rata COD	RDP	%Removal
1	R. Andesit 1	Influent	Sampel 1	0.08	779	775	1.076%	13.18%
			Sampel 2	0.082	770			
		Effluent	Sampel 1	0.101	691	673	5.576%	
			Sampel 2	0.11	654			
2	R. Andesit 2	Influent	Sampel 1	0.08	779	775	1.076%	14.25%
			Sampel 2	0.082	770			
		Effluent	Sampel 1	0.106	670	664	1.882%	
			Sampel 2	0.109	658			

Selasa, 24 juli 2018

No	Reaktor	Sampel		Absorbansi	Kadar COD	Rata-rata COD	RDP	%Removal
1	R. Andesit 1	Influent	Sampel 1	0.071	816	804	3.110%	14.52%
			Sampel 2	0.077	791			
		Effluent	Sampel 1	0.101	691	687	1.213%	
			Sampel 2	0.103	683			
2	R. Andesit 2	Influent	Sampel 1	0.071	816	804	3.110%	17.11%
			Sampel 2	0.077	791			
		Effluent	Sampel 1	0.105	675	666	2.502%	
			Sampel 2	0.109	658			

Rabu, 25 juli 2018

No	Reaktor	Sampel		Absorbansi	Kadar COD	Rata-rata COD	RDP	%Removal
1	R. Andesit 1	Influent	Sampel 1	0.049	908	902	1.386%	13.86%
			Sampel 2	0.052	895			
		Effluent	Sampel 1	0.078	787	777	2.682%	
			Sampel 2	0.083	766			
2	R. Andesit 2	Influent	Sampel 1	0.049	908	902	1.386%	16.64%
			Sampel 2	0.052	895			
		Effluent	Sampel 1	0.083	766	752	3.880%	
			Sampel 2	0.09	737			

Kamis, 26 juli 2018

No	Reaktor	Sampel		Absorbansi	Kadar COD	Rata-rata COD	RDP	%Removal
1	R. Andesit 1	Influent	Sampel 1	0.059	866	862	0.967%	13.05%
			Sampel 2	0.061	858			
		Effluent	Sampel 1	0.085	758	750	2.223%	
			Sampel 2	0.089	741			
2	R. Andesit 2	Influent	Sampel 1	0.059	866	862	0.967%	15.22%
			Sampel 2	0.061	858			
		Effluent	Sampel 1	0.09	737	731	1.710%	
			Sampel 2	0.093	725			

Jumat, 27 juli 2018

No	Reaktor	Sampel		Absorbansi	Kadar COD	Rata-rata COD	RDP	%Removal
1	R. Andesit 1	Influent	Sampel 1	0.066	837	835	0.499%	12.48%
			Sampel 2	0.067	833			
		Effluent	Sampel 1	0.09	737	731	1.710%	
			Sampel 2	0.093	725			
2	R. Andesit 2	Influent	Sampel 1	0.066	837	835	0.499%	14.72%
			Sampel 2	0.067	833			
		Effluent	Sampel 1	0.094	720	712	2.341%	
			Sampel 2	0.098	704			

No	Reaktor 1	Sampel		Absorbansi	Kadar COD	Rata-rata COD	RDP	%Removal
1	Kompartemen 1	Influent	Sampel 1	0.066	837	835	0.499%	2.99%
			Sampel 2	0.067	833			
		Effluent	Sampel 1	0.072	812	810	0.514%	
			Sampel 2	0.073	808			
	Kompartemen 2	Influent	Sampel 1	0.072	812	810	0.514%	4.63%
			Sampel 2	0.073	808			
		Effluent	Sampel 1	0.081	775	773	0.539%	
			Sampel 2	0.082	770			
	Kompartemen 3	Influent	Sampel 1	0.081	775	773	0.539%	5.39%
			Sampel 2	0.082	770			
		Effluent	Sampel 1	0.09	737	731	1.710%	
			Sampel 2	0.093	725			
	Total Removal							13.02%