

Lampiran 3 Data Hasil Pengujian

Pertamax Plus 95 Malam	PENGUJIAN MALAM											
	0 kg			5 kg			10 kg			15 kg		
	1	2	3	1	2	3	1	2	3	1	2	3
Volume tangki awal (ml)	100	100	100	100	100	100	100	100	100	100	100	100
Temperatur awal Bahan Bakar (°C)	26.4	24.6	25.8	26.6	23.9	25.3	26.6	24.7	25.5	26.3	24.6	25.6
Penambahan Bahan Bakar (ml)	61.4	59.8	59.4	63.8	64.7	63.6	65.5	66.7	65.7	67.9	68.7	68.6
Temperatur Penambah BB (°C)	25.4	24.6	25.5	24.6	24.7	24.7	24.9	24.3	25.3	24.4	23.2	24.5
Volume tangki akhir (ml)	100	100	100	100	100	100	100	100	100	100	100	100
Temperatur BB Campuran (°C)	25.7	25.4	25.1	25.3	25.6	24.9	24.8	25.7	24.6	24.8	25.7	25.3
Jarak Tempuh (km)	1.532	1.532	1.532	1.532	1.532	1.532	1.532	1.532	1.532	1.532	1.532	1.532
Volume tangki awal muai (ml)	101.083	100.912	101.026	101.102	100.846	100.979	101.102	100.922	100.998	101.074	100.912	101.007
Penambahan BB muai (ml)	62.007	60.345	59.993	64.382	65.296	64.186	66.116	67.289	66.343	68.506	69.235	69.219
Volume tangki akhir muai (ml)	101.017	100.988	100.960	100.979	101.007	100.941	100.931	101.017	100.912	100.931	101.017	100.979
Berat BB (g)	46.089	44.750	44.594	47.895	48.363	47.686	49.218	49.892	49.323	50.972	51.330	51.416
Konsumsi BB, muai (km/kg)	33.240	34.235	34.355	31.986	31.677	32.127	31.127	30.706	31.061	30.056	29.846	29.796
RATA-RATA (km/kg)	33.943			31.930			30.965			29.899		
FC (kg/jam)	0.467384	0.462931	0.466679	0.494048	0.494617	0.490488	0.51358	0.504523	0.511709	0.536545	0.517609	0.522878
Fdrag (N)	2.710647	2.820793	2.886774	2.804651	2.757049	2.788648	2.870064	2.69544	2.837075	2.920637	2.680361	2.725983
Frr (N)	28.665	28.665	28.665	29.4	29.4	29.4	30.135	30.135	30.135	30.87	30.87	30.87
Ftraksi (N)	31.37565	31.48579	31.55177	32.20465	32.15705	32.18865	33.00506	32.83044	32.97207	33.79064	33.55036	33.59598
Daya (HP)	0.783591	0.818294	0.83919	0.832187	0.816854	0.827028	0.872762	0.815324	0.861868	0.90928	0.828541	0.84379
SFC (kg/hp.jam)	0.596465	0.565727	0.556107	0.593674	0.605514	0.593074	0.588454	0.618801	0.593721	0.590077	0.624723	0.619678
RATA-RATA (kg/hp.jam)	0.573			0.597			0.600			0.611		
Kalor bahan bakar (MJ)	1.977231	1.919776	1.913075	2.054705	2.074752	2.045745	2.111457	2.140357	2.11596	2.186689	2.202037	2.205762
Kalor input (km/MJ)	0.775	0.798	0.801	0.746	0.738	0.749	0.726	0.716	0.724	0.701	0.696	0.695
RATA-RATA (km/MJ)	0.791			0.744			0.722			0.697		

Pertamax Plus 95 Siang	PENGUJIAN SIANG											
	0 kg			5 kg			10 kg			15 kg		
	1	2	3	1	2	3	1	2	3	1	2	3
Volume tangki awal (ml)	100	100	100	100	100	100	100	100	100	100	100	100
Temperatur awal Bahan Bakar (°C)	31.5	30.2	31.8	31.3	30.7	31.3	31.5	31	31.7	31.7	31.5	32.1
Penambahan Bahan Bakar (ml)	58.7	56.4	57.9	60.1	58.8	60.2	62.3	63.6	62.7	65.2	65.8	65.5
Temperatur Penambah BB (°C)	31.2	31.4	31.6	32.2	31.5	32.1	32.3	31.9	32.4	32.1	32.3	32.8
Volume tangki akhir (ml)	100	100	100	100	100	100	100	100	100	100	100	100
Temperatur BB Campuran (°C)	31.2	30.7	31.3	31.6	31.1	31.8	31.8	31.4	32	31.7	31.8	32.7
Jarak Tempuh (km)	1.532	1.532	1.532	1.532	1.532	1.532	1.532	1.532	1.532	1.532	1.532	1.532
Volume tangki awal muai (ml)	101.568	101.444	101.596	101.549	101.492	101.549	101.568	101.520	101.587	101.587	101.568	101.625
Penambahan BB muai (ml)	59.603	57.279	58.813	61.082	59.722	61.178	63.324	64.621	63.736	66.259	66.881	66.608
Volume tangki akhir muai (ml)	101.539	101.492	101.549	101.577	101.530	101.596	101.596	101.558	101.615	101.587	101.596	101.682
Berat BB (g)	44.277	42.494	43.704	45.332	44.315	45.389	46.997	47.953	47.303	49.197	49.638	49.414
Konsumsi BB, muai (km/kg)	34.601	36.052	35.054	33.795	34.571	33.752	32.598	31.948	32.387	31.140	30.863	31.003
RATA-RATA (km/kg)	35.236			34.039			32.311			31.002		
FC (kg/jam)	0.439108	0.459396	0.448246	0.455855	0.458432	0.455158	0.480649	0.498932	0.457772	0.507481	0.506226	0.514132
Fdrag (N)	2.592486	3.080642	2.772781	2.665408	2.820793	2.65058	2.757049	2.853498	2.468561	2.804651	2.74145	2.853498
Frr (N)	28.665	28.665	28.665	29.4	29.4	29.4	30.135	30.135	30.135	30.87	30.87	30.87
Ftraksi (N)	31.25749	31.74564	31.43778	32.06541	32.22079	32.05058	32.89205	32.9885	32.60356	33.67465	33.61145	33.7235
Daya (HP)	0.746611	0.90105	0.80314	0.787452	0.837396	0.782709	0.835524	0.867289	0.741537	0.870173	0.848968	0.886612
SFC (kg/hp.jam)	0.588135	0.509846	0.558117	0.578899	0.54745	0.581516	0.575267	0.575278	0.617329	0.583195	0.596284	0.579884
RATA-RATA (kg/hp.jam)	0.552			0.569			0.589			0.586		
Kalor bahan bakar (MJ)	1.899	1.823	1.874901	1.944753	1.901119	1.947203	2.016164	2.057182	2.029305	2.11057	2.129483	2.119853
Kalor input (km/MJ)	0.807	0.840	0.817	0.788	0.806	0.787	0.760	0.745	0.755	0.726	0.719	0.723
RATA-RATA (km/MJ)	0.821			0.793			0.753			0.723		

CNG Malam	PENGUJIAN MALAM											
	0 kg			5 kg			10 kg			15 kg		
	1	2	3	1	2	3	1	2	3	1	2	3
Berat Awal (kg)	5.05	5.049	5.051	5.033	5.047	5.048	5.048	5.05	5.052	5.051	5.049	5.049
Berat Akhir (kg)	5.036	5.033	5.036	5.012	5.023	5.026	5.015	5.018	5.017	5.012	5.009	5.006
Selisih Berat (kg)	0.014	0.016	0.015	0.021	0.024	0.022	0.033	0.032	0.035	0.039	0.04	0.043
Jarak Tempuh	1.532	1.532	1.532	1.532	1.532	1.532	1.532	1.532	1.532	1.532	1.532	1.532
Konsumsi BB (km/kg)	109.429	95.750	102.133	72.952	63.833	69.636	46.424	47.875	43.771	39.282	38.300	35.628
RATA-RATA (km/kg)	102.437			68.807			46.024			37.737		
FC (kg/jam)	0.148235	0.166957	0.152975	0.226347	0.253372	0.228242	0.343353	0.346988	0.36	0.4	0.424779	0.433613
Fdrag (N)	2.955098	2.870064	2.74145	3.062223	2.937792	2.837075	2.853498	3.099228	2.788648	2.772781	2.972558	2.680361
Frr (N)	28.665	28.665	28.665	29.4	29.4	29.4	30.135	30.135	30.135	30.87	30.87	30.87
Ftraksi (N)	31.6201	31.53506	31.40645	32.46222	32.33779	32.23707	32.9885	33.23423	32.92365	33.64278	33.84256	33.55036
Daya (HP)	0.860912	0.83389	0.793273	0.91588	0.875296	0.842656	0.867289	0.948993	0.845912	0.859471	0.926866	0.828541
SFC (kg/hp.jam)	0.172184	0.200214	0.19284	0.247136	0.289471	0.27086	0.395892	0.365638	0.425576	0.465403	0.458296	0.523346
RATA-RATA (kg/hp.jam)	0.188			0.269			0.396			0.482		
Kalor bahan bakar (MJ)	0.700224	0.800256	0.75024	1.050336	1.200384	1.100352	1.650528	1.600512	1.75056	1.950624	2.00064	2.150688
Kalor input (km/MJ)	2.488	2.197	2.342	1.459	1.276	1.392	1.108	1.015	0.938	0.865	0.886	0.810
RATA-RATA (km/MJ)	2.342			1.376			1.020			0.854		

CNG Siang	PENGUJIAN SIANG											
	0 kg			5 kg			10 kg			15 kg		
	1	2	3	1	2	3	1	2	3	1	2	3
Berat Awal (kg)	5.045	5.045	5.043	5.035	5.031	5.03	5.044	5.046	5.044	5.045	5.043	5.046
Berat Akhir (kg)	5.036	5.034	5.031	5.02	5.014	5.016	5.017	5.02	5.019	5.013	5.01	5.012
Selisih Berat (kg)	0.009	0.011	0.012	0.015	0.017	0.014	0.027	0.026	0.025	0.032	0.033	0.034
Jarak Tempuh	1.532	1.532	1.532	1.532	1.532	1.532	1.532	1.532	1.532	1.532	1.532	1.532
Konsumsi BB (km/kg)	170.222	139.273	127.667	102.133	90.118	109.429	56.741	58.923	61.280	47.875	46.424	45.059
RATA-RATA (km/kg)	145.721			100.560			58.981			46.453		
FC (kg/jam)	0.094461	0.1125	0.127059	0.150418	0.165854	0.165246	0.267033	0.268195	0.25788	0.328205	0.334648	0.341899
Fdrag (N)	2.903632	2.757049	2.955098	2.65058	2.508863	3.062223	2.578262	2.804651	2.804651	2.772781	2.710647	2.665408
Frr (N)	28.665	28.665	28.665	29.4	29.4	29.4	30.135	30.135	30.135	30.87	30.87	30.87
Ftraksi (N)	31.56863	31.42205	31.6201	32.05058	31.90886	32.46222	32.71326	32.93965	32.93965	33.64278	33.58065	33.53541
Daya (HP)	0.844541	0.798183	0.860912	0.782709	0.737585	0.91588	0.777096	0.85118	0.85118	0.859471	0.83866	0.823552
SFC (kg/hp.jam)	0.111848	0.140945	0.147586	0.192176	0.22486	0.180423	0.343629	0.315086	0.302967	0.381869	0.399027	0.415152
RATA-RATA (kg/hp.jam)	0.133			0.199			0.321			0.399		
Kalor bahan bakar (MJ)	0.450144	0.550176	0.600192	0.75024	0.850272	0.700224	1.350432	1.300416	1.2504	1.600512	1.650528	1.700544
Kalor input (km/MJ)	3.403	2.785	2.553	2.042	1.802	2.188	1.134	1.178	1.225	0.957	0.928	0.901
RATA-RATA (km/MJ)	2.913			2.011			1.179			0.929		