



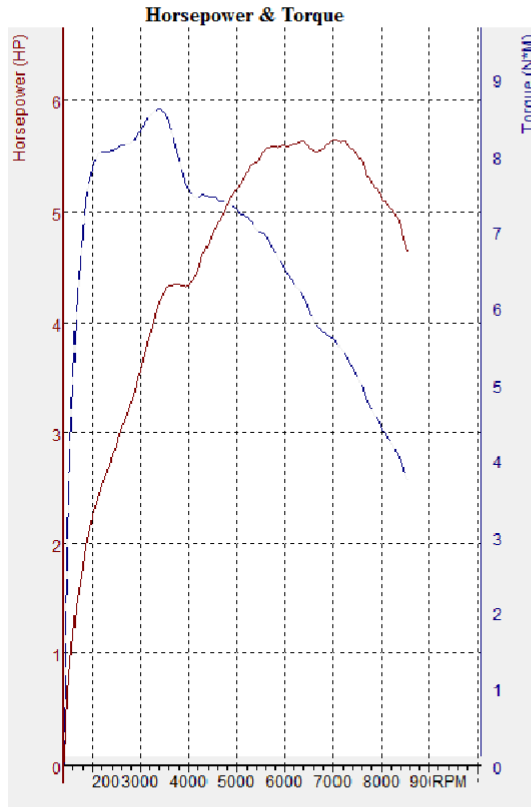
**LAMPIRAN – LAMPIRAN**

# Lampiran 1. Hasil Uji Dynotest Velg Roda Variasi 1 (14 Inchi)



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 SportDyno-Ver date: 28-JUN-2019 (4.0.35.1)  
 DYNAMOMETER: SMK PGRI 2 BADUNG  
 Correction Factor: EC95 -1  
 Power: HP (mechanic)

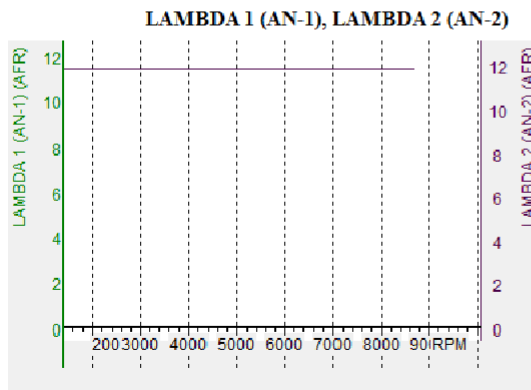
Name	HP/RPM	N*M/RPM	KMH	Temp. (°C)	Humidity (%)	Pressure (mbar)	Date/Time
GRAND UNDIKSA_699	5.7 / 7001	8.73 / 3376	80.6	25.0	60	1000.0	06/10/2023 13:28:02



DATA FOR TEST: GRAND UNDIKSA\_699

RPM	HP (HP)	TQ (N*M)	Termol. (C-A) (°C)
1500	0.8	3.67	1000.0
1750	1.7	6.94	1000.0
2000	2.3	8.03	1000.0
2250	2.6	8.19	1000.0
2500	2.9	8.24	1000.0
2750	3.2	8.30	1000.0
3000	3.6	8.48	1000.0
3250	4.0	8.70	1000.0
<b>3376</b>	<b>4.2</b>	<b>8.73</b>	1000.0
3500	4.3	8.69	1000.0
3750	4.3	8.19	1000.0
4000	4.3	7.69	1000.0
4250	4.6	7.61	1000.0
4500	4.8	7.59	1000.0
4750	5.0	7.53	1000.0
5000	5.2	7.40	1000.0
5250	5.4	7.29	1000.0
5500	5.5	7.12	1000.0
5750	5.6	6.88	1000.0
6000	5.6	6.63	1000.0
6250	5.6	6.39	1000.0
6500	5.6	6.10	1000.0
6750	5.6	5.84	1000.0
7000	5.7	5.74	1000.0
<b>7001</b>	<b>5.7</b>	<b>5.72</b>	1000.0
7250	5.6	5.53	1000.0
7500	5.5	5.21	1000.0
7750	5.3	4.86	1000.0
8000	5.1	4.54	1000.0
8250	5.0	4.29	1000.0
8500	4.7	3.90	1000.0
8750	4.6	3.88	1000.0

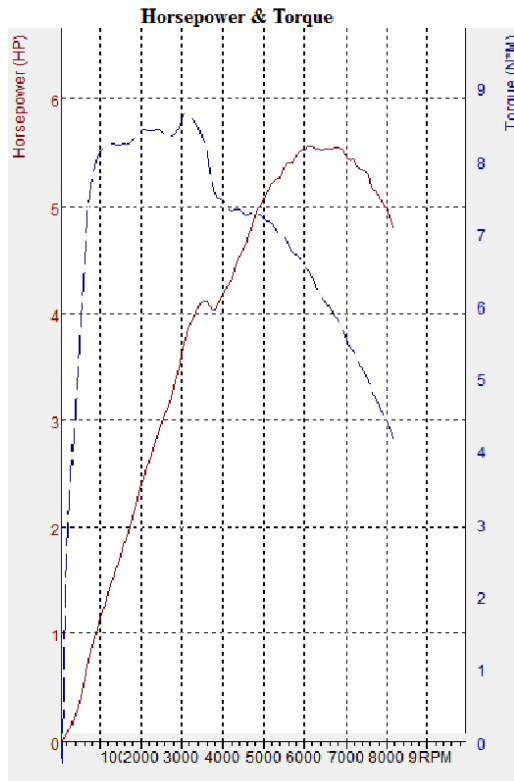
Wheel: 5.7 HP      8.7 N\*M  
 LOSSES: 0.0 HP      0.0 N\*M  
 TOTAL ENGINE: 5.7HP      8.73 N\*M





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 SportDyno-Ver date: 28-JUN-2019 (4.0.35.1)  
 DYNAMOMETER: SMK PGRI 2 BADUNG  
 Correction Factor: EC95 -1  
 Power: HP (mechanic)

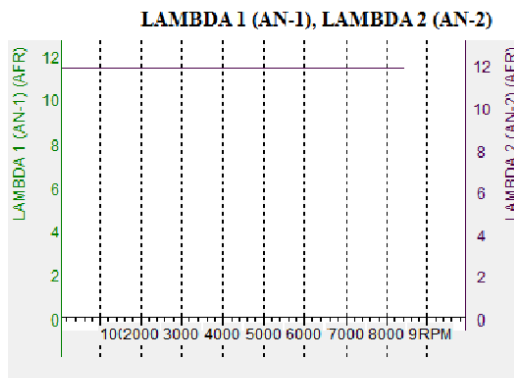
Name	HP/RPM	N*M/RPM	KMH	Temp. (°C)	Humidity (%)	Pressure (mbar)	Date/Time
GRAND UNDIKSA_704	5.6 / 6086	8.66 / 3105	77.6	25.0	60	1000.0	06/10/2023 13:30:55



DATA FOR TEST: GRAND UNDIKSA\_704

RPM	HP (HP)	TQ (N*M)	Termol (T C-A) (°C)
250	0.1	3.34	1000.0
500	0.4	5.78	1000.0
750	0.8	7.68	1000.0
1000	1.2	8.15	1000.0
1250	1.5	8.24	1000.0
1500	1.8	8.24	1000.0
1750	2.1	8.29	1000.0
2000	2.4	8.44	1000.0
2250	2.7	8.43	1000.0
2500	3.0	8.42	1000.0
2750	3.2	8.36	1000.0
3000	3.6	8.59	1000.0
3105	3.8	8.66	1000.0
3250	3.9	8.59	1000.0
3500	4.1	8.33	1000.0
3750	4.0	7.58	1000.0
4000	4.2	7.44	1000.0
4250	4.4	7.33	1000.0
4500	4.6	7.27	1000.0
4750	4.9	7.31	1000.0
5000	5.1	7.21	1000.0
5250	5.2	7.08	1000.0
5500	5.4	6.94	1000.0
5750	5.4	6.72	1000.0
6000	5.5	6.56	1000.0
6086	5.6	6.49	1000.0
6250	5.5	6.29	1000.0
6500	5.5	6.04	1000.0
6750	5.6	5.84	1000.0
7000	5.5	5.54	1000.0
7250	5.4	5.30	1000.0
7500	5.3	5.03	1000.0
7750	5.1	4.71	1000.0
8000	5.0	4.44	1000.0
8250	4.7	4.09	1000.0
8500	4.7	4.09	1000.0

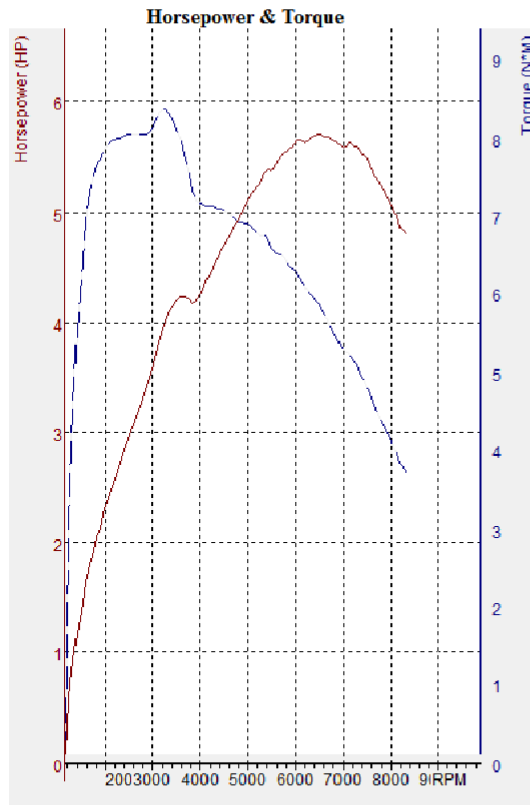
Wheel: 5.6 HP, 8.7 N\*M  
 LOSSES: 0.0 HP, 0.0 N\*M  
 TOTAL ENGINE: 5.6 HP, 8.66 N\*M





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 SportDyna-Ver date: 28-JUN-2019 (4.0.35.1)  
 DYNAMOMETER: SMK PGRI 2 BADUNG  
 Correction Factor: EC95 -1  
 Power: HP (mechanic)

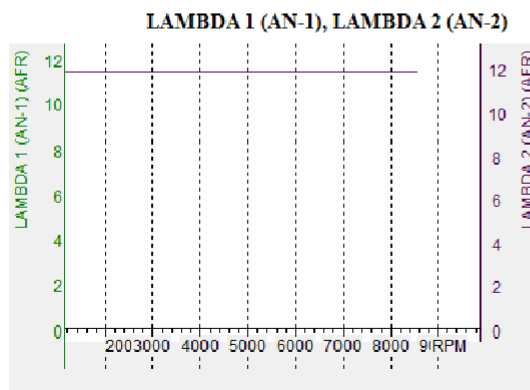
Name	HP/RPM	N*M/RPM	KMH	Temp. (°C)	Humidity (%)	Pressure (mbar)	Date/Time
GRAND UNDIKSA_705	5.7 / 6486	8.76 / 3191	78.9	25.0	60	1000.0	06/10/2023 13:31:31



DATA FOR TEST: GRAND UNDIKSA\_705

RPM	HP (HP)	TQ (N*M)	Temp (T C-A) (°C)
1250	0.7	3.94	1000.0
1500	1.4	6.82	1000.0
1750	2.0	7.97	1000.0
2000	2.3	8.28	1000.0
2250	2.7	8.40	1000.0
2500	3.0	8.45	1000.0
2750	3.3	8.45	1000.0
3000	3.6	8.55	1000.0
3191	4.0	8.76	1000.0
3250	4.0	8.75	1000.0
3500	4.2	8.49	1000.0
3750	4.2	7.99	1000.0
4000	4.2	7.55	1000.0
4250	4.5	7.52	1000.0
4500	4.7	7.44	1000.0
4750	4.9	7.34	1000.0
5000	5.1	7.28	1000.0
5250	5.3	7.14	1000.0
5500	5.4	6.97	1000.0
5750	5.6	6.85	1000.0
6000	5.7	6.68	1000.0
6250	5.7	6.42	1000.0
6500	5.7	6.24	1000.0
6486	5.7	6.24	1000.0
6750	5.7	5.96	1000.0
7000	5.6	5.68	1000.0
7250	5.6	5.49	1000.0
7500	5.5	5.20	1000.0
7750	5.3	4.82	1000.0
8000	5.1	4.51	1000.0
8250	4.8	4.18	1000.0
8500	4.8	4.19	1000.0

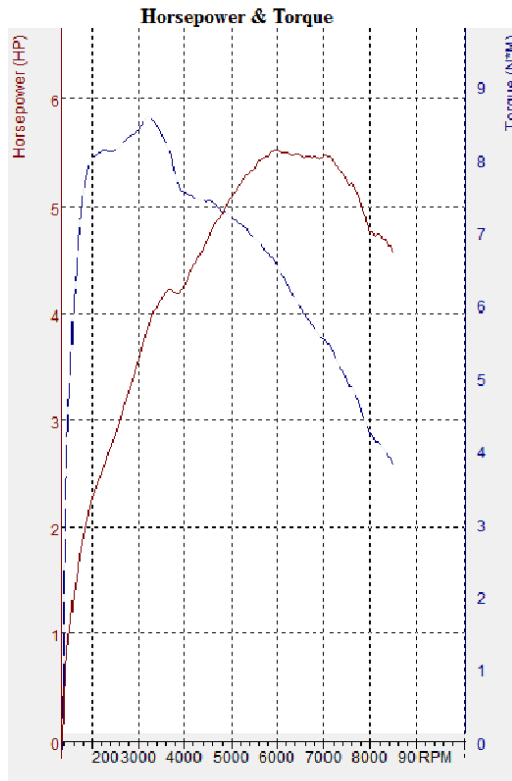
Wheel: 5.7 HP 8.8 N\*M  
 LOSSES: 0.0 HP 0.0 N\*M  
 TOTAL ENGINE: 5.7 HP 8.76 N\*M





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 SportDyno-Ver date: 28-JUN-2019 (4.0.35.1)  
 DYNAMOMETER: SMK PGRI 2 BADUNG  
 Correction Factor: EC95 -1  
 Power: HP (mechanic)

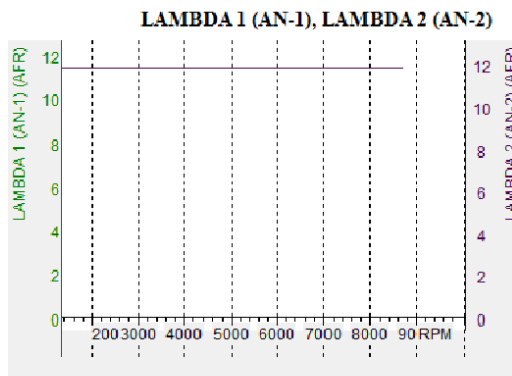
Name	HP/RPM	N*/RPM	KMH	Temp. (°C)	Humidity (%)	Pressure (mbar)	Date/Time
GRAND UNDIKSA_706	5.5 / 5965	8.61 / 3183	80.4	25.0	60	1000.0	06/10/2023 13:32:02



DATA FOR TEST: GRAND UNDIKSA\_706

RPM	HP (HP)	TQ (N*M)	Termol (T C-A) (°C)
1500	1.0	4.89	1000.0
1750	1.8	7.31	1000.0
2000	2.3	8.05	1000.0
2250	2.6	8.16	1000.0
2500	2.9	8.16	1000.0
2750	3.2	8.32	1000.0
3000	3.6	8.45	1000.0
3183	3.9	8.61	1000.0
3250	3.9	8.60	1000.0
3500	4.1	8.37	1000.0
3750	4.2	7.95	1000.0
4000	4.3	7.56	1000.0
4250	4.5	7.48	1000.0
4500	4.7	7.45	1000.0
4750	4.9	7.32	1000.0
5000	5.1	7.23	1000.0
5250	5.3	7.10	1000.0
5500	5.4	6.93	1000.0
5750	5.5	6.74	1000.0
5965	5.5	6.58	1000.0
6000	5.5	6.53	1000.0
6250	5.5	6.25	1000.0
6500	5.5	5.99	1000.0
6750	5.5	5.75	1000.0
7000	5.5	5.55	1000.0
7250	5.4	5.29	1000.0
7500	5.2	4.94	1000.0
7750	5.1	4.64	1000.0
8000	4.8	4.23	1000.0
8250	4.7	4.04	1000.0
8500	4.6	3.81	1000.0
8750	4.6	3.81	1000.0

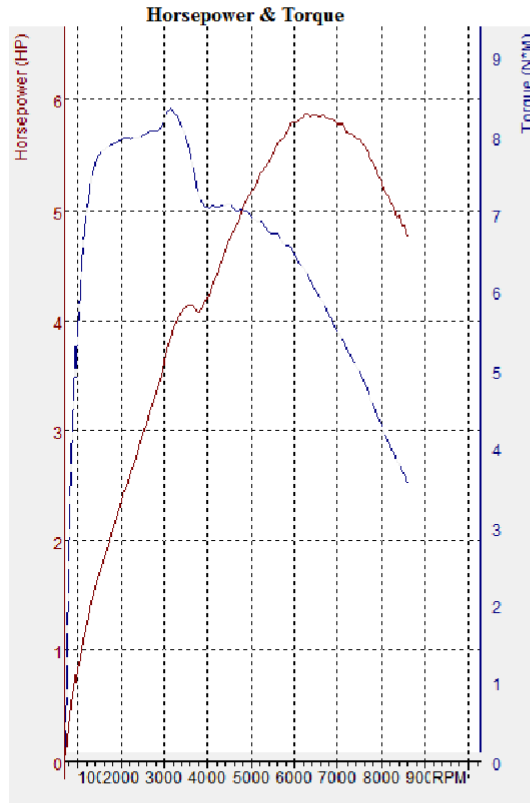
Wheel: 5.5 HP 8.6 N\*M  
 LOSSIS: 0.0 HP 0.0N\*M  
 TOTAL ENGINE: 5.5HP 8.61N\*M





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 SportDyno-Ver date: 28-JUN-2019 (4.0.35.1)  
 DYNAMOMETER: SMK PGRI 2 BADUNG  
 Correction Factor: EC95 -1  
 Power: HP (mechanic)

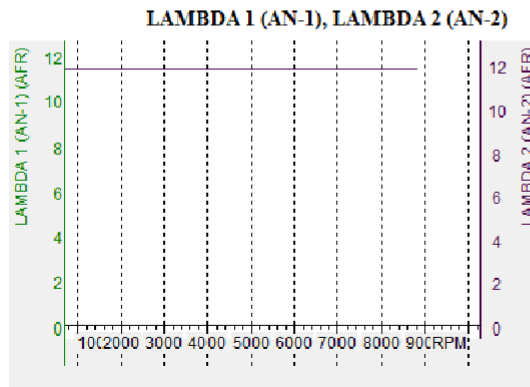
Name	HP/RPM	N*M/RPM	KMH	Temp. (°C)	Humidity (%)	Pressure (mbar)	Date/Time
GRAND UNDIKSA_707	5.9 / 6264	8.74 / 3108	81.5	25.0	60	1000.0	06/10/2023 13:32:46



DATA FOR TEST: GRAND UNDIKSA\_707

RPM	HP (HP)	TQ (N*M)	Temp (T C-A) (°C)
750	0.2	1.53	1000.0
1000	0.9	6.16	1000.0
1250	1.4	7.78	1000.0
1500	1.7	8.19	1000.0
1750	2.1	8.30	1000.0
2000	2.4	8.36	1000.0
2250	2.7	8.37	1000.0
2500	3.0	8.40	1000.0
2750	3.3	8.46	1000.0
3000	3.6	8.61	1000.0
<b>3108</b>	<b>3.9</b>	<b>8.74</b>	1000.0
3250	4.0	8.67	1000.0
3500	4.1	8.33	1000.0
3750	4.1	7.68	1000.0
4000	4.2	7.48	1000.0
4250	4.3	7.49	1000.0
4500	4.8	7.51	1000.0
4750	5.0	7.45	1000.0
5000	5.2	7.35	1000.0
5250	5.4	7.27	1000.0
5500	5.5	7.15	1000.0
5750	5.7	7.00	1000.0
6000	5.8	6.86	1000.0
6250	5.9	6.67	1000.0
<b>6264</b>	<b>5.9</b>	6.65	1000.0
6500	5.9	6.39	1000.0
6750	5.8	6.12	1000.0
7000	5.8	5.87	1000.0
7250	5.7	5.60	1000.0
7500	5.6	5.33	1000.0
7750	5.4	4.98	1000.0
8000	5.2	4.66	1000.0
8250	5.0	4.33	1000.0
8500	4.9	4.08	1000.0
8750	4.9	4.07	1000.0

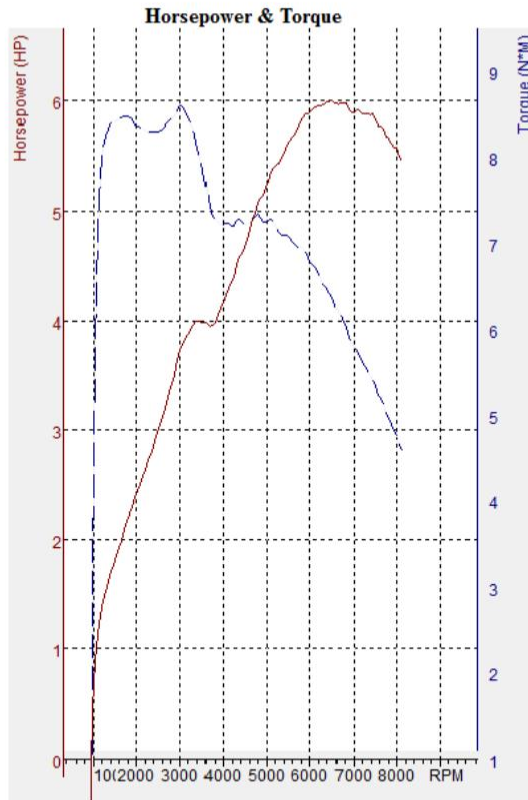
Wheel: 5.9 HP      8.7 N\*M  
 LOSSES: 0.0 HP      0.0 N\*M  
 TOTAL ENGINE: 5.9HP      8.74N\*M





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 SportDyno-Ver date: 28-JUN-2019 (4.0.35.1)  
 DYNAMOMETER: SMK PGRI 2 BADUNG  
 Correction Factor: EC95 -1  
 Power: HP (mechanic)

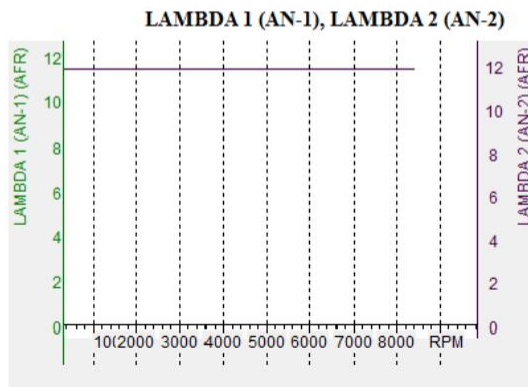
Name	HP/RPM	N*M/RPM	KMH	Temp. (°C)	Humidity (%)	Pressure (mbar)	Date/Time
GRAND UNDIKSA_708	6.0 / 6490	8.79 / 3021	77.4	25.0	60	1000.0	06/10/2023 13:33:38



DATA FOR TEST: GRAND UNDIKSA\_708

RPM	HP (HP)	TQ (N*M)	Termol (C-A) (°C)
250	-5.3	-134.29	1000.0
500	-7.7	-106.65	1000.0
750	-4.7	-44.06	1000.0
1000	0.7	4.88	1000.0
1250	1.5	8.40	1000.0
1500	1.8	8.62	1000.0
1750	2.2	8.67	1000.0
2000	2.4	8.57	1000.0
2250	2.7	8.49	1000.0
2500	3.0	8.51	1000.0
2750	3.4	8.63	1000.0
3000	3.7	8.79	1000.0
3021	3.8	8.79	1000.0
3250	3.9	8.57	1000.0
3500	4.0	8.08	1000.0
3750	4.0	7.50	1000.0
4000	4.2	7.43	1000.0
4250	4.5	7.43	1000.0
4500	4.7	7.41	1000.0
4750	5.0	7.54	1000.0
5000	5.2	7.45	1000.0
5250	5.4	7.34	1000.0
5500	5.6	7.28	1000.0
5750	5.8	7.15	1000.0
6000	5.9	6.98	1000.0
6250	6.0	6.76	1000.0
6500	6.0	6.56	1000.0
6490	6.0	6.56	1000.0
6750	6.0	6.30	1000.0
7000	5.9	5.99	1000.0
7250	5.9	5.76	1000.0
7500	5.8	5.51	1000.0
7750	5.7	5.20	1000.0
8000	5.6	4.95	1000.0
8250	5.6	4.99	1000.0

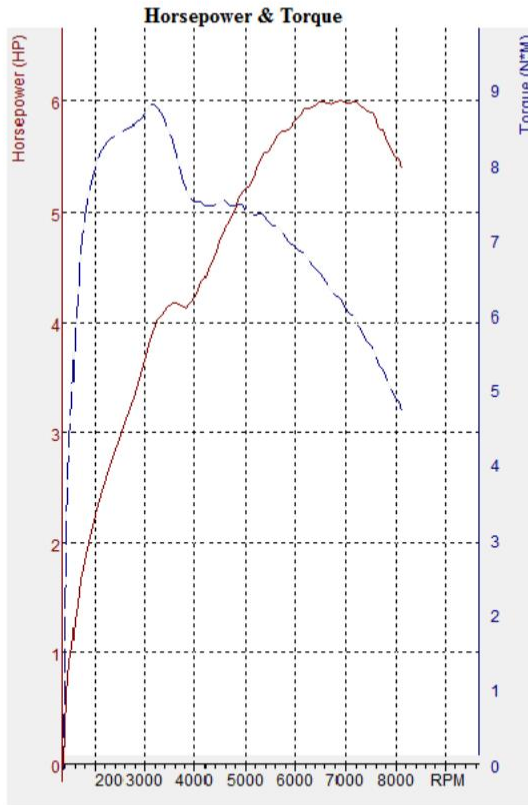
Wheel: 6.0 HP 8.8 N\*M  
 LOSSES: 0.0 HP 0.0 N\*M  
 TOTAL ENGINE: 6.0HP 8.79N\*M





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 DYNAMOMETER: SMK PGRI 2 BADUNG  
 Correction Factor: EC95 -1  
 Power: HP (mechanic)

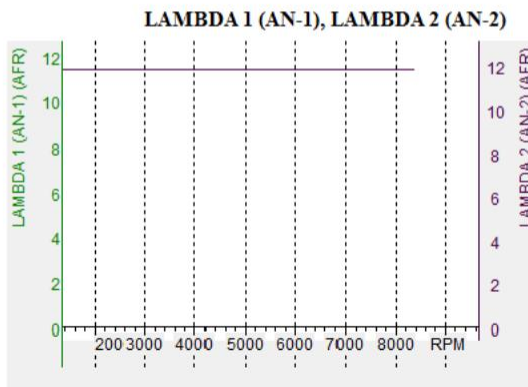
Name	HP/RPM	N*M/RPM	KMH	Temp. (°C)	Humidity (%)	Pressure (mbar)	Date/Time
GRAND UNDIKSA_709	6.0 / 6840	8.81 / 3144	77.5	25.0	60	1000.0	06/10/2023 13:34:10



DATA FOR TEST: GRAND UNDIKSA\_709

RPM	HP (HP)	TQ (N*M)	Temp (C-A) (°C)
1500	1.0	4.61	1000.0
1750	1.8	7.17	1000.0
2000	2.2	7.98	1000.0
2250	2.7	8.34	1000.0
2500	3.0	8.46	1000.0
2750	3.3	8.54	1000.0
3000	3.7	8.71	1000.0
3144	3.9	8.81	1000.0
3250	4.0	8.75	1000.0
3500	4.2	8.38	1000.0
3750	4.1	7.79	1000.0
4000	4.2	7.51	1000.0
4250	4.5	7.46	1000.0
4500	4.8	7.52	1000.0
4750	5.0	7.46	1000.0
5000	5.2	7.39	1000.0
5250	5.4	7.36	1000.0
5500	5.6	7.21	1000.0
5750	5.7	7.08	1000.0
6000	5.8	6.90	1000.0
6250	5.9	6.74	1000.0
6500	6.0	6.54	1000.0
6750	6.0	6.29	1000.0
6840	6.0	6.21	1000.0
7000	6.0	6.07	1000.0
7250	6.0	5.83	1000.0
7500	5.9	5.60	1000.0
7750	5.7	5.25	1000.0
8000	5.5	4.88	1000.0
8250	5.5	4.92	1000.0

Wheel: 6.0 HP, 8.8 N\*M  
 LOSSES: 0.0 HP, 0.0N\*M  
 TOTAL ENGINE: 6.0HP, 8.81N\*M

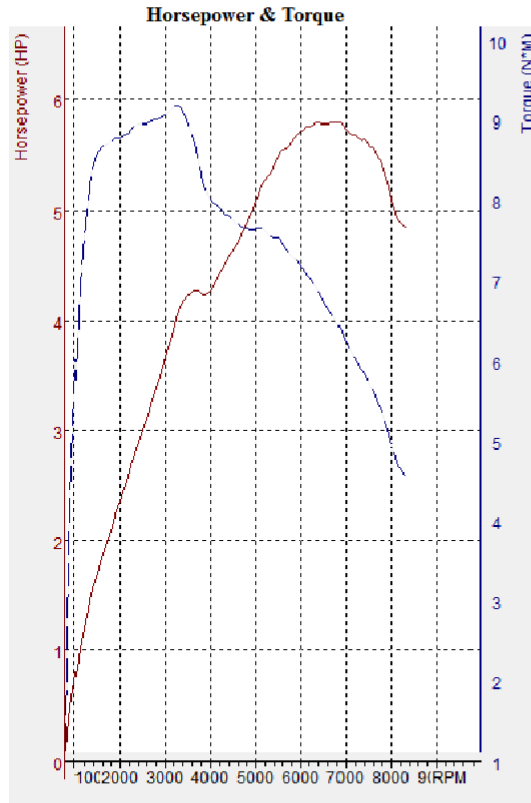






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 DYNAMOMETER: SMK PGRI 2 BADUNG  
 Correction Factor: EC95 -1  
 Power: HP (mechanic)

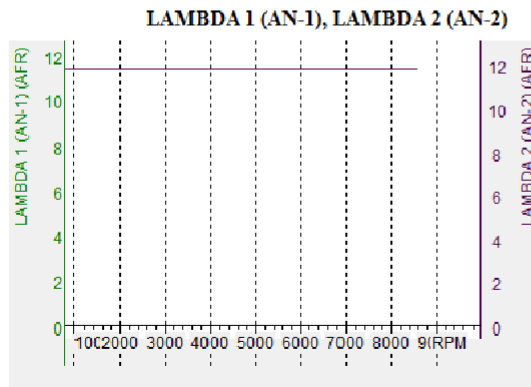
Name	HP/RPM	N*M/RPM	KMH	Temp. (°C)	Humidity (%)	Pressure (mbar)	Date/Time
GRAND UNDIKSA_702	5.8 / 6319	8.78 / 3239	79.0	25.0	60	1000.0	06/10/2023 13:30:01



DATA FOR TEST: GRAND UNDIKSA\_702

RPM	HP (HP)	TQ (N*M)	Temp (T C-A) (°C)
1000	0.8	5.49	1000.0
1250	1.4	7.60	1000.0
1500	1.8	8.23	1000.0
1750	2.1	8.33	1000.0
2000	2.4	8.39	1000.0
2250	2.7	8.51	1000.0
2500	3.0	8.55	1000.0
2750	3.4	8.61	1000.0
3000	3.7	8.66	1000.0
3250	4.0	8.78	1000.0
<b>3239</b>	<b>4.0</b>	<b>8.78</b>	1000.0
3500	4.2	8.55	1000.0
3750	4.3	8.01	1000.0
4000	4.3	7.58	1000.0
4250	4.5	7.45	1000.0
4500	4.6	7.33	1000.0
4750	4.8	7.25	1000.0
5000	5.1	7.25	1000.0
5250	5.3	7.18	1000.0
5500	5.5	7.13	1000.0
5750	5.6	6.92	1000.0
6000	5.7	6.76	1000.0
6250	5.8	6.56	1000.0
<b>6319</b>	<b>5.8</b>	<b>6.50</b>	1000.0
6500	5.8	6.32	1000.0
6750	5.8	6.11	1000.0
7000	5.7	5.82	1000.0
7250	5.7	5.56	1000.0
7500	5.6	5.30	1000.0
7750	5.4	4.98	1000.0
8000	5.1	4.49	1000.0
8250	4.9	4.18	1000.0
8500	4.9	4.18	1000.0

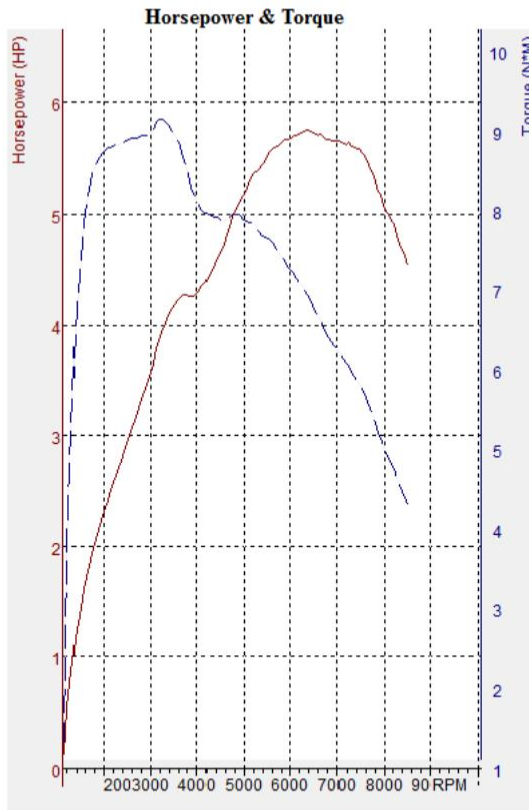
Wheel: 5.8 HP, 8.8 N\*M  
 LOSSES: 0.0 HP, 0.0 N\*M  
 TOTAL ENGINE: 5.8 HP, 8.78 N\*M





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 DYNAMOMETER: SMK PGRI 2 BADUNG  
 Correction Factor: EC95 -1  
 Power: HP (mechanic)

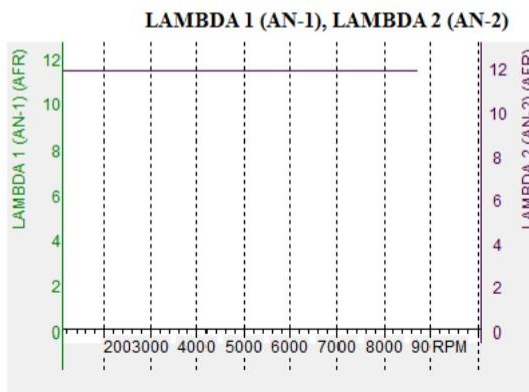
Name	HP/RPM	N*M/RPM	KMH	Temp. (°C)	Humidity (%)	Pressure (mbar)	Date/Time
GRAND UNDIKSA_700	5.8 / 6348	8.64 / 3192	80.3	25.0	60	1000.0	06/10/2023 13:28:39



DATA FOR TEST: GRAND UNDIKSA\_700

RPM	HP (HP)	TQ (N*M)	Tempol (C-A) (°C)
1250	0.8	4.32	1000.0
1500	1.5	7.06	1000.0
1750	2.0	8.00	1000.0
2000	2.3	8.27	1000.0
2250	2.6	8.34	1000.0
2500	3.0	8.39	1000.0
2750	3.3	8.43	1000.0
3000	3.6	8.49	1000.0
3192	3.9	8.64	1000.0
3250	4.0	8.63	1000.0
3500	4.2	8.46	1000.0
3750	4.3	8.08	1000.0
4000	4.3	7.60	1000.0
4250	4.5	7.44	1000.0
4500	4.7	7.37	1000.0
4750	5.0	7.46	1000.0
5000	5.2	7.37	1000.0
5250	5.4	7.27	1000.0
5500	5.5	7.14	1000.0
5750	5.6	6.94	1000.0
6000	5.7	6.75	1000.0
6250	5.8	6.54	1000.0
6348	5.8	6.44	1000.0
6500	5.7	6.25	1000.0
6750	5.7	5.97	1000.0
7000	5.7	5.76	1000.0
7250	5.6	5.51	1000.0
7500	5.6	5.27	1000.0
7750	5.4	4.91	1000.0
8000	5.0	4.48	1000.0
8250	4.8	4.13	1000.0
8500	4.5	3.77	1000.0
8750	4.5	3.74	1000.0

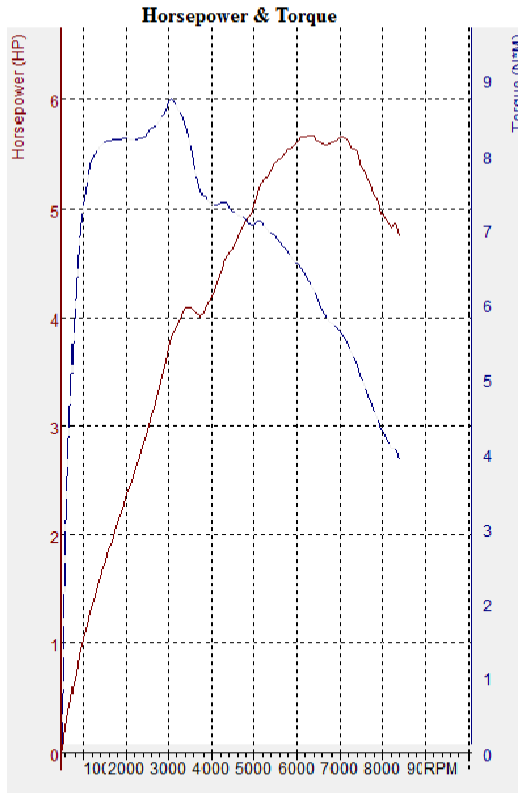
Wheel: 5.8 HP, 8.6 N\*M  
 LOSSES: 0.0 HP, 0.0N\*M  
 TOTAL ENGINE: 5.8HP, 8.64N\*M





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 SportDyno-Ver date: 28-JUN-2019 (4.0.35.1)  
 DYNAMOMETER: SMK PGRI 2 BADUNG  
 Correction Factor: EC95 -1  
 Power: HP (mechanic)

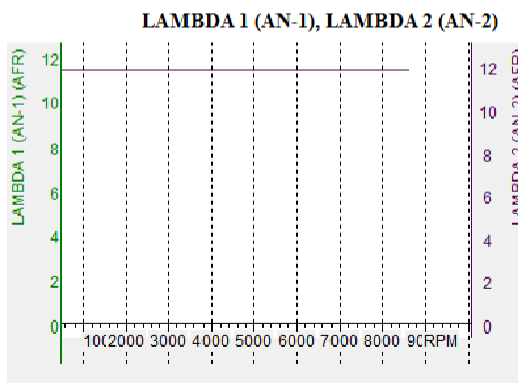
Name	HP/RPM	N*M/RPM	KMH	Temp. (°C)	Humidity (%)	Pressure (mbar)	Date/Time
GRAND UNDIKSA_712	5.7 / 6289	8.85 / 3025	79.3	25.0	60	1000.0	06/10/2023 13:35:21



DATA FOR TEST: GRAND UNDIKSA\_712

RPM	HP (HP)	TQ (N*M)	Termol (T C-A) (°C)
750	0.6	5.80	1000.0
1000	1.1	7.54	1000.0
1250	1.4	8.13	1000.0
1500	1.8	8.30	1000.0
1750	2.1	8.33	1000.0
2000	2.4	8.34	1000.0
2250	2.6	8.34	1000.0
2500	3.0	8.44	1000.0
2750	3.3	8.55	1000.0
3000	3.7	8.81	1000.0
3025	3.8	8.85	1000.0
3250	4.0	8.66	1000.0
3500	4.1	8.29	1000.0
3750	4.0	7.59	1000.0
4000	4.2	7.45	1000.0
4250	4.5	7.48	1000.0
4500	4.7	7.33	1000.0
4750	4.9	7.27	1000.0
5000	5.1	7.20	1000.0
5250	5.3	7.14	1000.0
5500	5.4	7.02	1000.0
5750	5.5	6.83	1000.0
6000	5.6	6.65	1000.0
6250	5.7	6.43	1000.0
6289	5.7	6.39	1000.0
6500	5.6	6.15	1000.0
6750	5.6	5.89	1000.0
7000	5.7	5.74	1000.0
7250	5.6	5.45	1000.0
7500	5.4	5.10	1000.0
7750	5.2	4.74	1000.0
8000	4.9	4.39	1000.0
8250	4.8	4.18	1000.0
8500	4.8	4.18	1000.0

Wheel: 5.7 HP 8.9 N\*M  
 LOSSES: 0.0 HP 0.0 N\*M  
 TOTAL ENGINE: 5.7 HP 8.85 N\*M

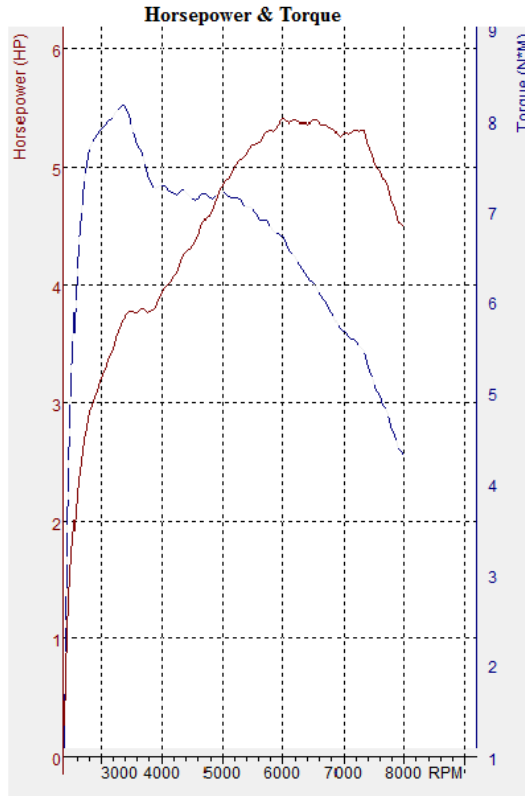


## Lampiran 2. Hasil Uji Dynotest Velg Roda Standar (17 Inchi)



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 SportDyno-Ver date: 28-JUN-2019 (4.0.35.1)  
 DYNAMOMETER: SMK PGRI 2 BADUNG  
 Correction Factor: EC95 -1  
 Power: HP (mechanic)

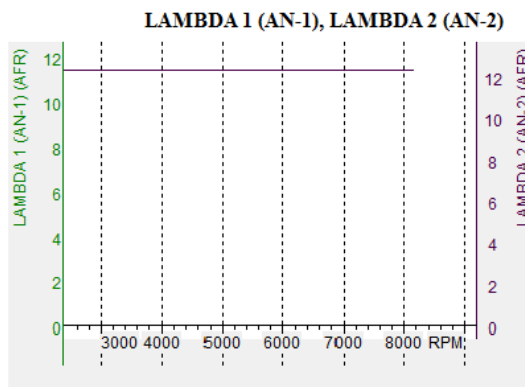
Name	HP/RPM	N*M/RPM	KMH	Temp. (°C)	Humidity (%)	Pressure (mbar)	Date/Time
GRAND UNDIKSA_675	5.4 / 5981	7.85 / 3355	84.3	25.0	60	1000.0	06/10/2023 10:31:08



DATA FOR TEST: GRAND UNDIKSA\_675

RPM	HP (HP)	TQ Termol (N*M)	(T C-A) (°C)
2500	1.7	4.69	1000.0
2750	2.8	7.22	1000.0
3000	3.2	7.63	1000.0
3250	3.6	7.80	1000.0
3355	3.7	7.85	1000.0
3500	3.8	7.64	1000.0
3750	3.8	7.13	1000.0
4000	3.9	6.98	1000.0
4250	4.1	6.88	1000.0
4500	4.3	6.83	1000.0
4750	4.6	6.85	1000.0
5000	4.9	6.90	1000.0
5250	5.1	6.83	1000.0
5500	5.2	6.72	1000.0
5750	5.3	6.56	1000.0
6000	5.4	6.40	1000.0
5981	5.4	6.40	1000.0
6250	5.4	6.12	1000.0
6500	5.4	5.90	1000.0
6750	5.3	5.62	1000.0
7000	5.3	5.37	1000.0
7250	5.3	5.21	1000.0
7500	5.0	4.76	1000.0
7750	4.8	4.36	1000.0
8000	4.5	4.00	1000.0

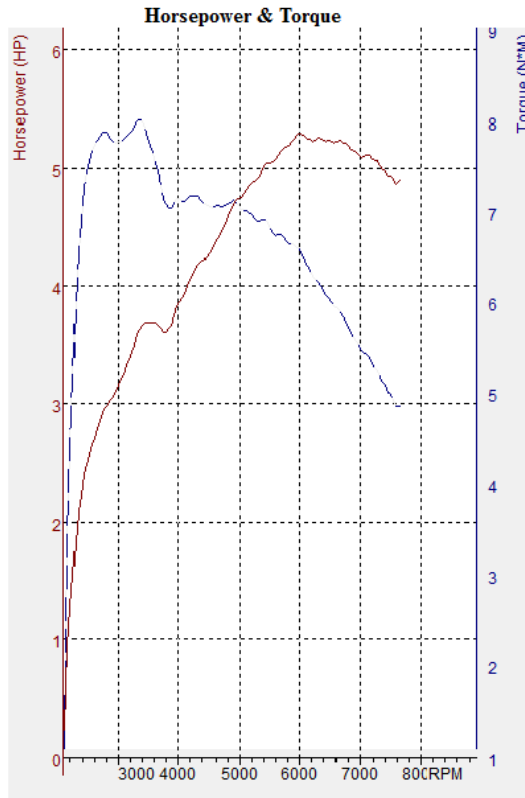
Wheel: 5.4 HP 7.8 N\*M  
 LOSSES: 0.0 HP 0.0N\*M  
 TOTAL ENGINE: 5.4HP 7.85N\*M





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 SportDyno-Ver date: 28-JUN-2019 (4.0.35.1)  
 DYNAMOMETER: SMK PGRI 2 BADUNG  
 Correction Factor: EC95 -1  
 Power: HP (mechanic)

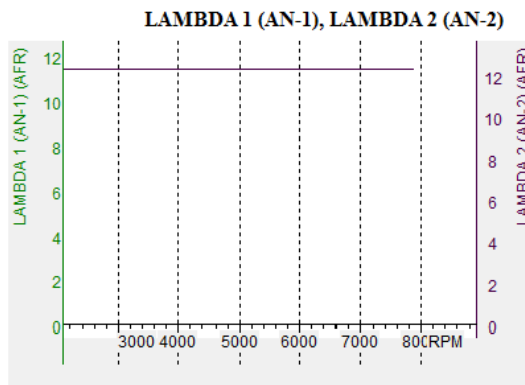
Name	HP/RPM	N*M/RPM	KMH	Temp. (°C)	Humidity (%)	Pressure (mbar)	Date/Time
GRAND UNDIKSA_672	5.3 / 5959	7.71 / 3344	81.4	25.0	60	1000.0	06/10/2023 10:29:43



DATA FOR TEST: GRAND UNDIKSA\_672

RPM	HP (HP)	TQ (N*M)	Tempol (T C-A) (°C)
2250	1.6	5.17	1000.0
2500	2.6	7.26	1000.0
2750	2.9	7.58	1000.0
3000	3.2	7.47	1000.0
3250	3.5	7.64	1000.0
3344	3.6	7.71	1000.0
3500	3.7	7.47	1000.0
3750	3.6	6.84	1000.0
4000	3.9	6.84	1000.0
4250	4.1	6.88	1000.0
4500	4.3	6.76	1000.0
4750	4.5	6.77	1000.0
5000	4.8	6.74	1000.0
5250	4.9	6.61	1000.0
5500	5.0	6.52	1000.0
5750	5.2	6.39	1000.0
5959	5.3	6.28	1000.0
6000	5.3	6.26	1000.0
6250	5.2	5.95	1000.0
6500	5.2	5.71	1000.0
6750	5.2	5.47	1000.0
7000	5.1	5.17	1000.0
7250	5.1	4.97	1000.0
7500	4.9	4.69	1000.0
7750	4.9	4.47	1000.0

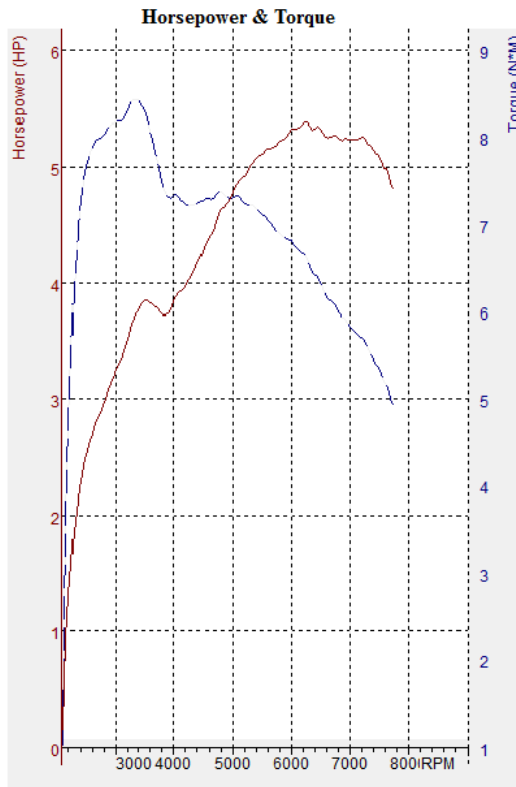
Wheel 5.3 HP 7.7 N\*M  
 LOSSES 0.0 HP 0.0N\*M  
 TOTAL ENGINE: 5.3HP 7.71N\*M





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 DYNAMOMETER: SMK PGRI 2 BADUNG  
 Correction Factor: EC95 -1  
 Power: HP (mechanic)

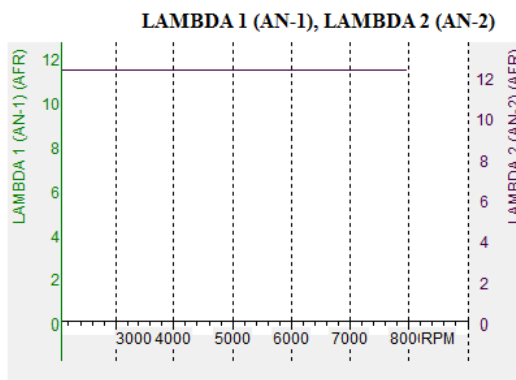
Name	HP/RPM	N*M/RPM	KMH	Temp. (°C)	Humidity (%)	Pressure (mbar)	Date/Time
GRAND UNDIKSA_673	5.4 / 6216	7.92 / 3320	82.3	25.0	60	1000.0	06/10/2023 10:30:11



DATA FOR TEST: GRAND UNDIKSA\_673

RPM	HP (HP)	TQ (N*M)	Temp (C-A) (°C)
2250	1.7	5.30	1000.0
2500	2.5	7.22	1000.0
2750	2.9	7.51	1000.0
3000	3.3	7.68	1000.0
3250	3.6	7.90	1000.0
<b>3320</b>	<b>3.7</b>	<b>7.92</b>	1000.0
3500	3.8	7.81	1000.0
3750	3.8	7.12	1000.0
4000	3.9	6.84	1000.0
4250	4.0	6.72	1000.0
4500	4.3	6.79	1000.0
4750	4.6	6.87	1000.0
5000	4.8	6.80	1000.0
5250	5.0	6.72	1000.0
5500	5.1	6.60	1000.0
5750	5.2	6.42	1000.0
6000	5.3	6.31	1000.0
<b>6216</b>	<b>5.4</b>	6.15	1000.0
6250	5.4	6.13	1000.0
6500	5.3	5.82	1000.0
6750	5.3	5.54	1000.0
7000	5.2	5.32	1000.0
7250	5.2	5.14	1000.0
7500	5.1	4.80	1000.0
7750	4.8	4.41	1000.0
8000	4.8	4.36	1000.0

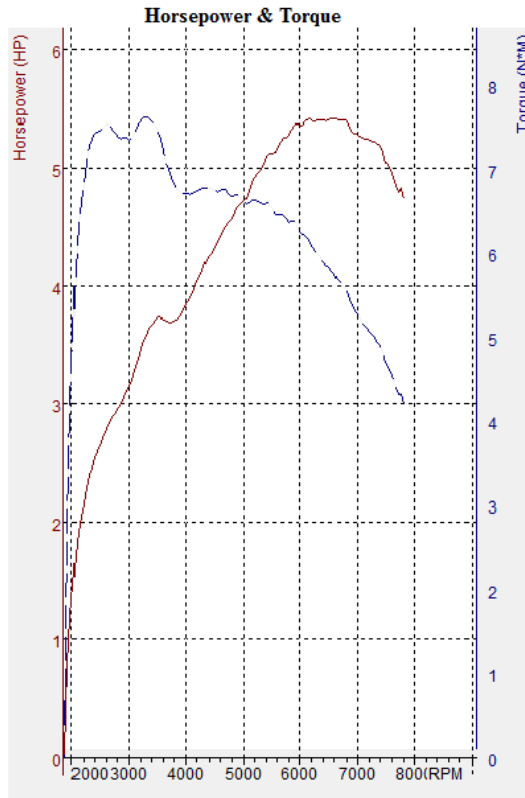
Wheel: 5.4 HP 7.9 N\*M  
 LOSSES: 0.0 HP 0.0N\*M  
 TOTAL ENGINE: 5.4HP 7.92N\*M





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 DYNAMOMETER: SMK PGRI 2 BADUNG  
 Correction Factor: EC95 -1  
 Power: HP (mechanic)

Name	HP/RPM	N*M/RPM	KMH	Temp. (°C)	Humidity (%)	Pressure (mbar)	Date/Time
GRAND UNDIKSA_674	5.4 / 6508	7.73 / 3279	83.0	25.0	60	1000.0	06/10/2023 10:30:41

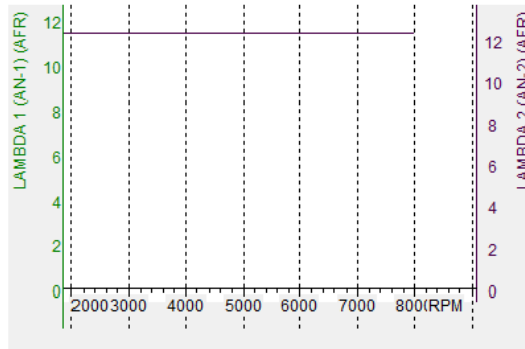


DATA FOR TEST: GRAND UNDIKSA\_674

RPM	HP (HP)	TQ (N*M)	Tempol (T C-A) (°C)
2000	1.4	4.88	1000.0
2250	2.3	7.20	1000.0
2500	2.7	7.59	1000.0
2750	2.9	7.54	1000.0
3000	3.1	7.46	1000.0
3250	3.5	7.72	1000.0
3279	3.6	7.73	1000.0
3500	3.7	7.55	1000.0
3750	3.7	6.99	1000.0
4000	3.8	6.82	1000.0
4250	4.1	6.86	1000.0
4500	4.3	6.85	1000.0
4750	4.6	6.80	1000.0
5000	4.7	6.71	1000.0
5250	5.0	6.71	1000.0
5500	5.1	6.62	1000.0
5750	5.3	6.51	1000.0
6000	5.4	6.35	1000.0
6250	5.4	6.13	1000.0
6500	5.4	5.92	1000.0
6508	5.4	5.90	1000.0
6750	5.4	5.70	1000.0
7000	5.3	5.35	1000.0
7250	5.2	5.13	1000.0
7500	5.0	4.77	1000.0
7750	4.8	4.43	1000.0
8000	4.7	4.32	1000.0

Wheel: 5.4 HP, 7.7 N\*M  
 LOSSES: 0.0 HP, 0.0N\*M  
 TOTAL ENGINE: 5.4HP, 7.73N\*M

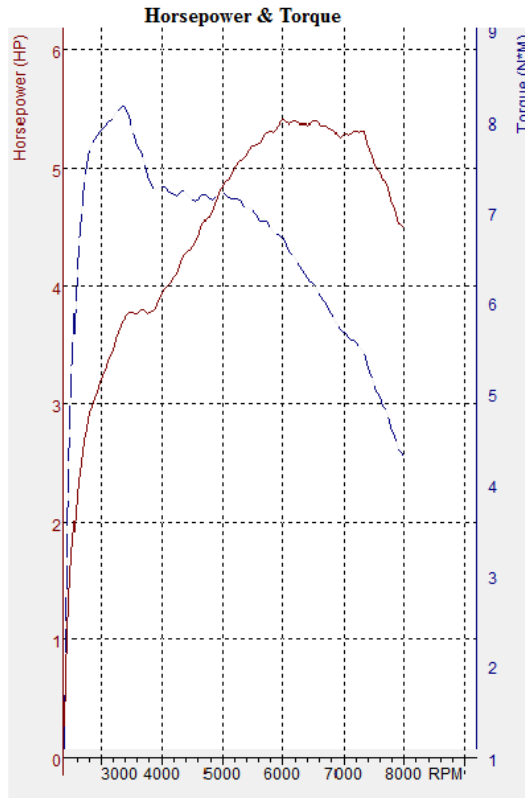
LAMBDA 1 (AN-1), LAMBDA 2 (AN-2)





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 DYNAMOMETER: SMK PGRI 2 BADUNG  
 Correction Factor: EC95 -1  
 Power: HP (mechanic)

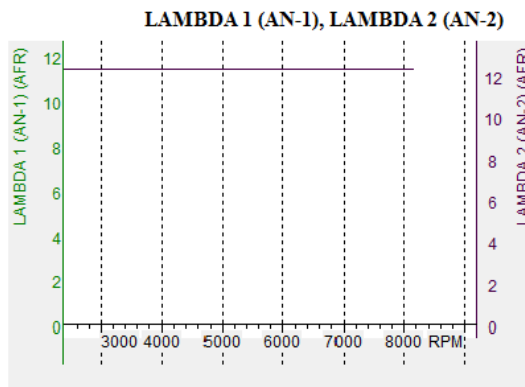
Name	HP/RPM	N*M/RPM	KMH	Temp. (°C)	Humidity (%)	Pressure (mbar)	Date/Time
GRAND UNDIKSA_675	5.4 / 5981	7.85 / 3355	84.3	25.0	60	1000.0	06/10/2023 10:31:08



DATA FOR TEST: GRAND UNDIKSA\_675

RPM	HP (HP)	TQ (N*M)	Tempol (C-A) (°C)
2500	1.7	4.69	1000.0
2750	2.8	7.22	1000.0
3000	3.2	7.63	1000.0
3250	3.6	7.80	1000.0
3355	3.7	7.85	1000.0
3500	3.8	7.64	1000.0
3750	3.8	7.13	1000.0
4000	3.9	6.98	1000.0
4250	4.1	6.88	1000.0
4500	4.3	6.83	1000.0
4750	4.6	6.85	1000.0
5000	4.9	6.90	1000.0
5250	5.1	6.83	1000.0
5500	5.2	6.72	1000.0
5750	5.3	6.56	1000.0
6000	5.4	6.40	1000.0
5981	5.4	6.40	1000.0
6250	5.4	6.12	1000.0
6500	5.4	5.90	1000.0
6750	5.3	5.62	1000.0
7000	5.3	5.37	1000.0
7250	5.3	5.21	1000.0
7500	5.0	4.76	1000.0
7750	4.8	4.36	1000.0
8000	4.5	4.00	1000.0

Wheel 5.4 HP 7.8 N\*M  
 LOSSES 0.0 HP 0.0N\*M  
 TOTAL ENGINE: 5.4HP 7.85N\*M

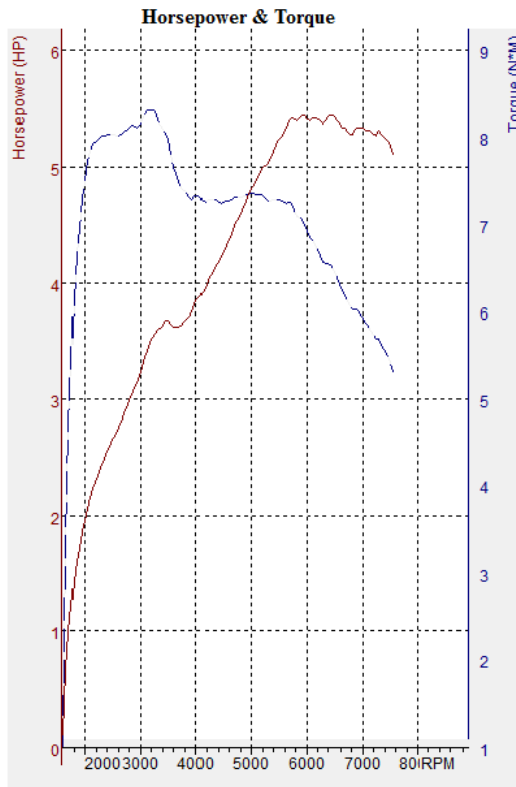






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 SportDyno-Ver date: 28-JUN-2019 (4.0.35.1)  
 DYNAMOMETER: SMK PGRI 2 BADUNG  
 Correction Factor: EC95 -1  
 Power: HP (mechanic)

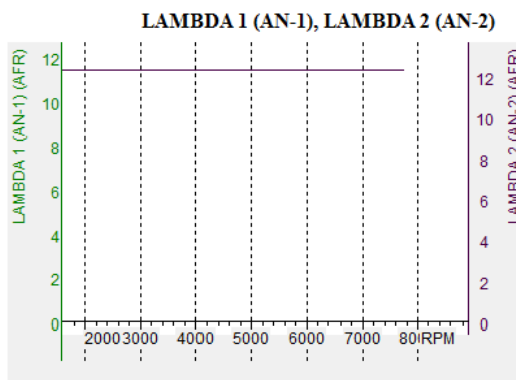
Name	HP/RPM	N*/RPM	KMH	Temp. (°C)	Humidity (%)	Pressure (mbar)	Date/Time
GRAND UNDIKSA_676	5.4 / 5918	7.81 / 3157	80.8	25.0	60	1000.0	06/10/2023 10:31:53



DATA FOR TEST: GRAND UNDIKSA\_676

RPM	HP (HP)	TQ (N*M)	Tempol (C-A) (°C)
1750	1.3	5.20	1000.0
2000	2.0	7.17	1000.0
2250	2.4	7.49	1000.0
2500	2.7	7.53	1000.0
2750	2.9	7.60	1000.0
3000	3.2	7.67	1000.0
3157	3.5	7.81	1000.0
3250	3.6	7.79	1000.0
3500	3.7	7.43	1000.0
3750	3.6	6.90	1000.0
4000	3.8	6.83	1000.0
4250	4.1	6.78	1000.0
4500	4.3	6.76	1000.0
4750	4.6	6.82	1000.0
5000	4.8	6.86	1000.0
5250	5.0	6.78	1000.0
5500	5.2	6.78	1000.0
5750	5.4	6.69	1000.0
5918	5.4	6.53	1000.0
6000	5.4	6.42	1000.0
6250	5.4	6.14	1000.0
6500	5.4	5.91	1000.0
6750	5.3	5.56	1000.0
7000	5.3	5.41	1000.0
7250	5.3	5.19	1000.0
7500	5.2	4.89	1000.0
7750	5.1	4.86	1000.0

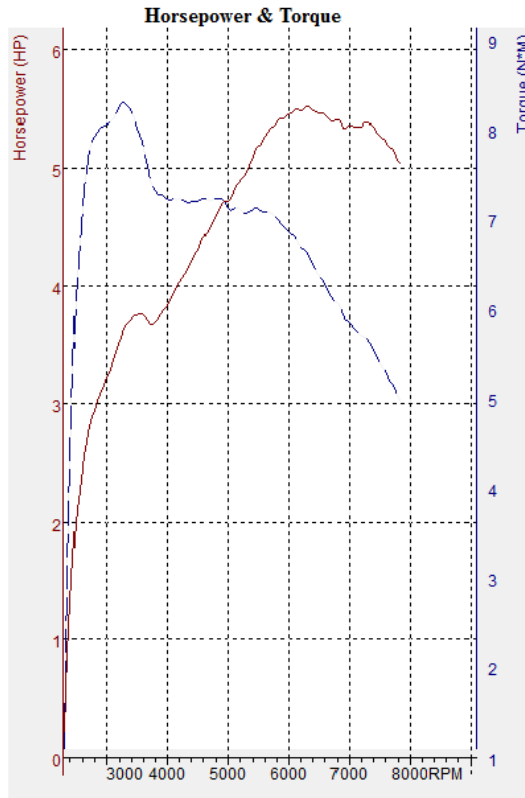
Wheel: 5.4 HP 7.8 N\*M  
 LOSSES: 0.0 HP 0.0N\*M  
 TOTAL ENGINE: 5.4HP 7.81N\*M





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 SportDyno-Ver date: 28-JUN-2019 (4.0.35.1)  
 DYNAMOMETER: SMK PGRI 2 BADUNG  
 Correction Factor: EC95 -1  
 Power: HP (mechanic)

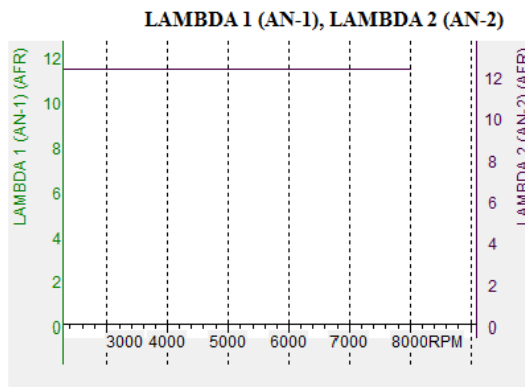
Name	HP/RPM	N*M/RPM	KMH	Temp. (°C)	Humidity (%)	Pressure (mbar)	Date/Time
GRAND UNDIKSA_677	5.5 / 6301	7.90 / 3238	83.3	25.0	60	1000.0	06/10/2023 10:32:31



DATA FOR TEST: GRAND UNDIKSA\_677

RPM	HP (HP)	TQ (N*M)	Tempol (T C-A) (°C)
2500	2.1	5.93	1000.0
2750	2.9	7.50	1000.0
3000	3.2	7.67	1000.0
3250	3.6	7.90	1000.0
<b>3238</b>	<b>3.6</b>	<b>7.90</b>	1000.0
3500	3.7	7.61	1000.0
3750	3.7	6.98	1000.0
4000	3.8	6.81	1000.0
4250	4.1	6.81	1000.0
4500	4.3	6.80	1000.0
4750	4.6	6.82	1000.0
5000	4.7	6.71	1000.0
5250	4.9	6.67	1000.0
5500	5.2	6.70	1000.0
5750	5.4	6.62	1000.0
6000	5.5	6.46	1000.0
6250	5.5	6.25	1000.0
<b>6301</b>	<b>5.5</b>	<b>6.21</b>	1000.0
6500	5.5	5.97	1000.0
6750	5.4	5.68	1000.0
7000	5.4	5.44	1000.0
7250	5.4	5.28	1000.0
7500	5.3	4.99	1000.0
7750	5.1	4.68	1000.0
8000	5.1	4.64	1000.0

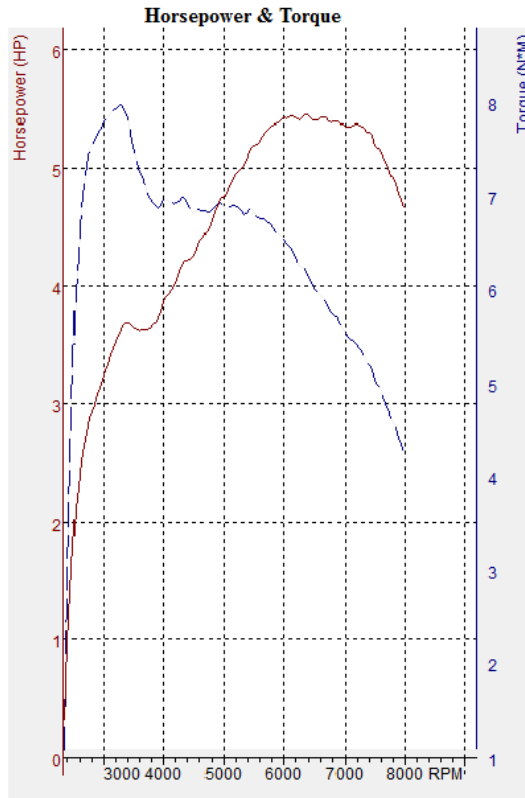
Wheel 5.5 HP 7.9 N\*M  
 LOSSES 0.0 HP 0.0N\*M  
 TOTAL ENGINE: 5.5HP 7.90N\*M





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 SportDyno-Ver date: 28-JUN-2019 (4.0.35.1)  
 DYNAMOMETER: SMK PGRI 2 BADUNG  
 Correction Factor: EC95 -1  
 Power: HP (mechanic)

Name	HP/RPM	N*M/RPM	KMH	Temp. (°C)	Humidity (%)	Pressure (mbar)	Date/Time
GRAND UNDIKSA_678	5.5 / 6340	7.87 / 3249	84.4	25.0	60	1000.0	06/10/2023 10:33:07

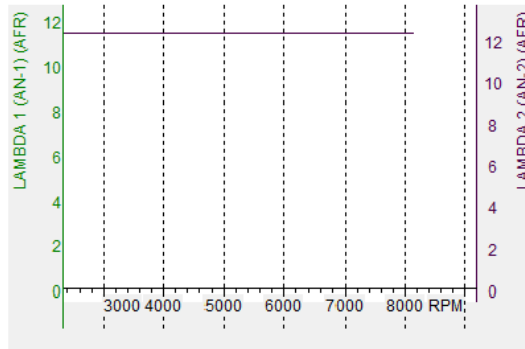


DATA FOR TEST: GRAND UNDIKSA\_678

RPM	HP (HP)	TQ (N*M)	Tempol (C-A) (°C)
2500	1.9	5.38	1000.0
2750	2.9	7.41	1000.0
3000	3.3	7.70	1000.0
3250	3.6	7.87	1000.0
3249	3.6	7.87	1000.0
3500	3.6	7.38	1000.0
3750	3.6	6.89	1000.0
4000	3.9	6.88	1000.0
4250	4.1	6.84	1000.0
4500	4.3	6.73	1000.0
4750	4.5	6.74	1000.0
5000	4.8	6.77	1000.0
5250	5.0	6.75	1000.0
5500	5.2	6.71	1000.0
5750	5.4	6.61	1000.0
6000	5.4	6.43	1000.0
6250	5.4	6.15	1000.0
6340	5.5	6.10	1000.0
6500	5.4	5.90	1000.0
6750	5.4	5.68	1000.0
7000	5.4	5.43	1000.0
7250	5.4	5.25	1000.0
7500	5.2	4.91	1000.0
7750	4.9	4.53	1000.0
8000	4.6	4.12	1000.0

Wheel 5.5 HP 7.9 N\*M  
 LOSSES 0.0 HP 0.0N\*M  
 TOTAL ENGINE: 5.5HP 7.87N\*M

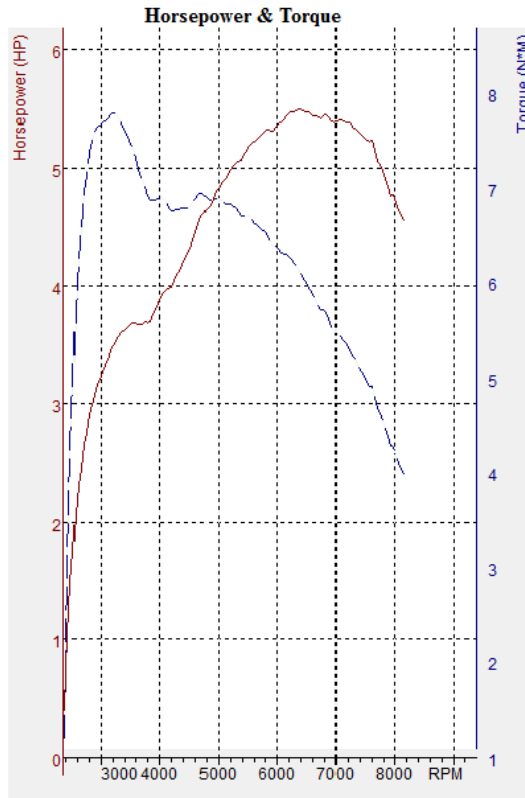
LAMBDA 1 (AN-1), LAMBDA 2 (AN-2)





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 SportDyno-Ver date: 28-JUN-2019 (4.0.35.1)  
 DYNAMOMETER: SMK PGRI 2 BADUNG  
 Correction Factor: EC95 -1  
 Power: HP (mechanic)

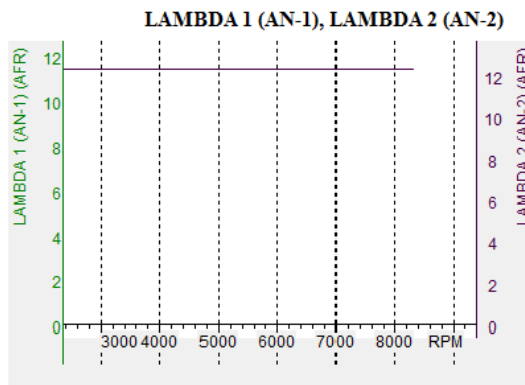
Name	HP/RPM	N*M/RPM	KMH	Temp. (°C)	Humidity (%)	Pressure (mbar)	Date/Time
GRAND UNDIKSA_679	5.5 / 6363	7.78 / 3178	86.1	25.0	60	1000.0	06/10/2023 10:33:38



DATA FOR TEST: GRAND UNDIKSA\_679

RPM	HP (HP)	TQ (N*M)	Tempol (T C-A) (°C)
2500	1.7	4.74	1000.0
2750	2.8	7.23	1000.0
3000	3.2	7.68	1000.0
3178	3.5	7.78	1000.0
3250	3.6	7.76	1000.0
3500	3.7	7.45	1000.0
3750	3.7	6.98	1000.0
4000	3.9	6.90	1000.0
4250	4.1	6.78	1000.0
4500	4.3	6.80	1000.0
4750	4.6	6.92	1000.0
5000	4.8	6.87	1000.0
5250	5.0	6.80	1000.0
5500	5.2	6.70	1000.0
5750	5.3	6.55	1000.0
6000	5.4	6.37	1000.0
6250	5.5	6.23	1000.0
6363	5.5	6.13	1000.0
6500	5.5	5.98	1000.0
6750	5.4	5.71	1000.0
7000	5.4	5.48	1000.0
7250	5.4	5.25	1000.0
7500	5.2	4.96	1000.0
7750	5.0	4.60	1000.0
8000	4.7	4.18	1000.0
8250	4.6	4.09	1000.0

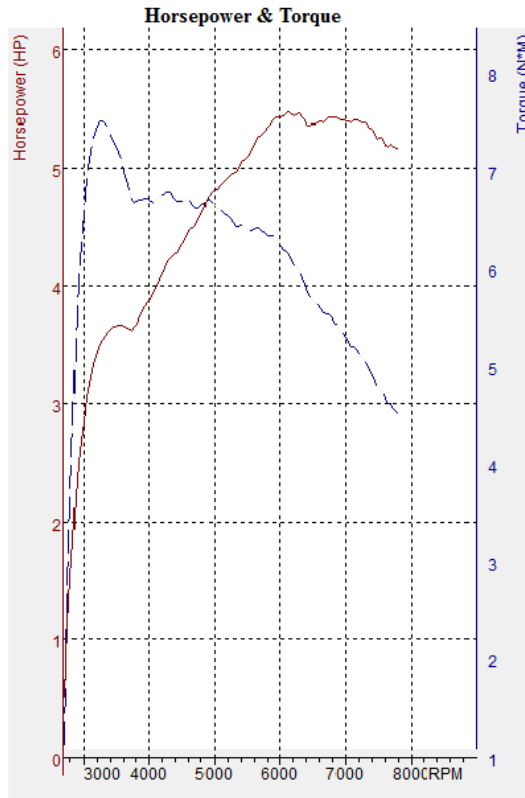
Wheel 5.5 HP 7.8 N\*M  
 LOSSES 0.0 HP 0.0N\*M  
 TOTAL ENGINE: 5.5HP 7.78N\*M





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 SportDyno-Ver date: 28-JUN-2019 (4.0.35.1)  
 DYNAMOMETER: SMK PGRI 2 BADUNG  
 Correction Factor: EC95 -1  
 Power: HP (mechanic)

Name	HP/RPM	N*M/RPM	KMH	Temp. (°C)	Humidity (%)	Pressure (mbar)	Date/Time
GRAND UNDIKSA_680	5.5 / 6113	7.72 / 3230	83.6	25.0	60	1000.0	06/10/2023 10:34:07

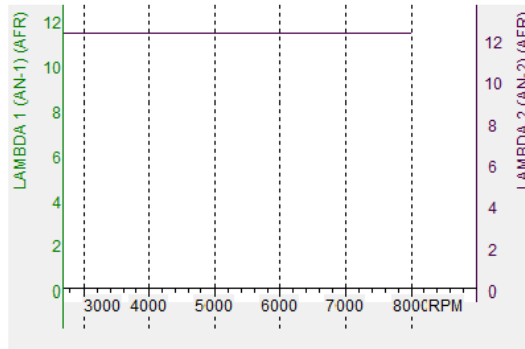


DATA FOR TEST: GRAND UNDIKSA\_680

RPM	HP (HP)	TQ (N*M)	Tempol (T C-A) (°C)
2750	1.2	3.13	1000.0
3000	2.9	6.90	1000.0
3250	3.5	7.72	1000.0
<b>3230</b>	<b>3.5</b>	<b>7.72</b>	1000.0
3500	3.7	7.43	1000.0
3750	3.6	6.89	1000.0
4000	3.9	6.90	1000.0
4250	4.2	6.98	1000.0
4500	4.4	6.89	1000.0
4750	4.6	6.83	1000.0
5000	4.8	6.84	1000.0
5250	5.0	6.70	1000.0
5500	5.1	6.60	1000.0
5750	5.3	6.57	1000.0
6000	5.4	6.43	1000.0
<b>6113</b>	<b>5.5</b>	<b>6.35</b>	1000.0
6250	5.5	6.21	1000.0
6500	5.4	5.87	1000.0
6750	5.4	5.72	1000.0
7000	5.4	5.48	1000.0
7250	5.4	5.28	1000.0
7500	5.2	4.97	1000.0
7750	5.2	4.74	1000.0
8000	5.2	4.73	1000.0

Wheel 5.5 HP 7.7 N\*M  
 LOSSES 0.0 HP 0.0N\*M  
 TOTAL ENGINE: 5.5HP 7.72N\*M

LAMBDA 1 (AN-1), LAMBDA 2 (AN-2)



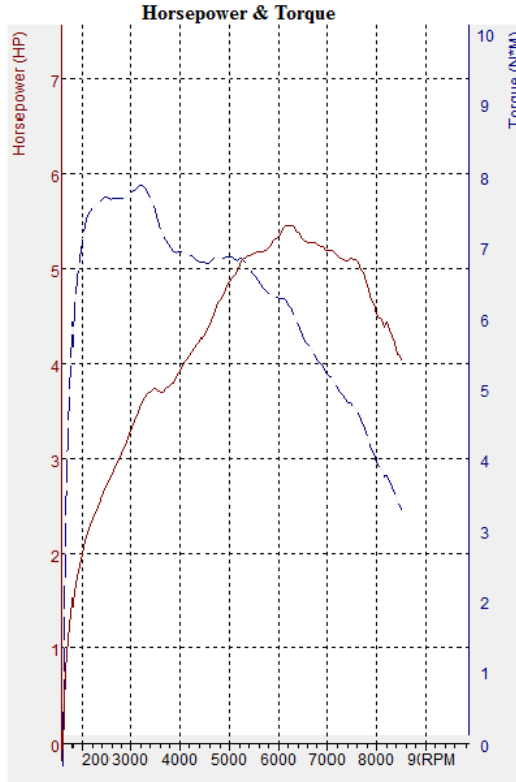
### Lampiran 3. Hasil Uji Dynotest Velg Roda Variasi 2 (18 Inchi)



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SportDyno-Ver date: 28-JUN-2019 (4.0.35.1)  
 DYNAMOMETER: SMK PGRI 2 BADUNG  
 Correction Factor: EC95 -1  
 Power: HP (mechanic)

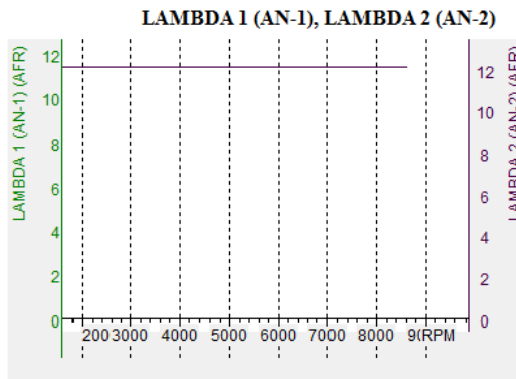
Name	HP/RPM	N*/RPM	KMH	Temp. (°C)	Humidity (%)	Pressure (mbar)	Date/Time
GRAND UNDIKSA_688	5.5 / 6150	7.94 / 3182	92.4	25.0	60	1000.0	06/10/2023 1:32:37



DATA FOR TEST: GRAND UNDIKSA\_688

RPM	HP (HP)	TQ (N*M)	Temp (C-A) (°C)
1750	1.3	5.25	1000.0
2000	2.0	7.20	1000.0
2250	2.4	7.66	1000.0
2500	2.7	7.76	1000.0
2750	3.0	7.76	1000.0
3000	3.3	7.84	1000.0
3182	3.6	7.94	1000.0
3250	3.6	7.92	1000.0
3500	3.7	7.55	1000.0
3750	3.8	7.12	1000.0
4000	3.9	7.00	1000.0
4250	4.2	6.93	1000.0
4500	4.3	6.84	1000.0
4750	4.6	6.92	1000.0
5000	4.9	6.92	1000.0
5250	5.1	6.89	1000.0
5500	5.2	6.67	1000.0
5750	5.2	6.44	1000.0
6000	5.3	6.33	1000.0
6150	5.5	6.30	1000.0
6250	5.4	6.20	1000.0
6500	5.3	5.79	1000.0
6750	5.3	5.54	1000.0
7000	5.2	5.27	1000.0
7250	5.1	5.01	1000.0
7500	5.1	4.83	1000.0
7750	4.9	4.47	1000.0
8000	4.5	4.02	1000.0
8250	4.4	3.76	1000.0
8500	4.0	3.36	1000.0

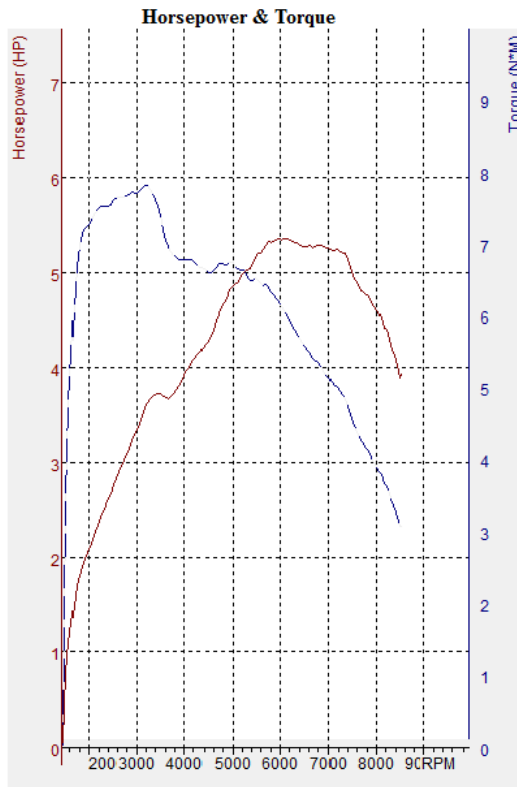
Wheel: 5.5 HP, 7.9 N\*M  
 LOSSES: 0.0 HP, 0.0N\*M  
 TOTAL ENGINE: 5.5HP, 7.94N\*M





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 DYNAMOMETER: SMK PGRI 2 BADUNG  
 Correction Factor: EC95 -1  
 Power: HP (mechanic)

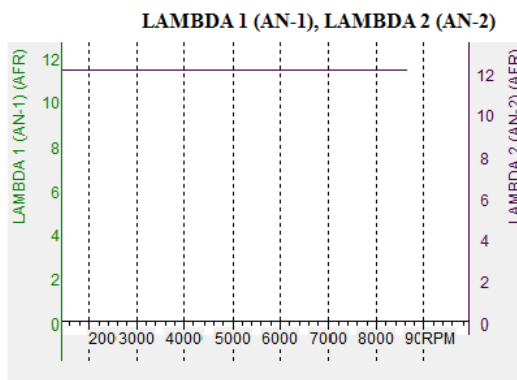
Name	HP/RPM	N*M/RPM	KMH	Temp. (°C)	Humidity (%)	Pressure (mbar)	Date/Time
GRAND UNDIKSA_689	5.4 / 5955	8.02 / 3174	92.7	25.0	60	1000.0	06/10/2023 1:33:13



DATA FOR TEST: GRAND UNDIKSA\_689

RPM	HP (HP)	TQ (N*M)	Tempol (C-A) (°C)
1500	0.7	3.35	1000.0
1750	1.7	6.99	1000.0
2000	2.1	7.49	1000.0
2250	2.4	7.72	1000.0
2500	2.8	7.81	1000.0
2750	3.0	7.86	1000.0
3000	3.3	7.91	1000.0
3174	3.6	8.02	1000.0
3250	3.7	7.98	1000.0
3500	3.7	7.54	1000.0
3750	3.7	7.05	1000.0
4000	3.9	6.97	1000.0
4250	4.1	6.90	1000.0
4500	4.3	6.79	1000.0
4750	4.6	6.92	1000.0
5000	4.9	6.91	1000.0
5250	5.0	6.79	1000.0
5500	5.2	6.70	1000.0
5750	5.3	6.58	1000.0
5955	5.4	6.39	1000.0
6000	5.4	6.35	1000.0
6250	5.3	6.05	1000.0
6500	5.3	5.77	1000.0
6750	5.3	5.56	1000.0
7000	5.3	5.34	1000.0
7250	5.2	5.11	1000.0
7500	5.0	4.72	1000.0
7750	4.8	4.37	1000.0
8000	4.6	4.08	1000.0
8250	4.3	3.71	1000.0
8500	3.9	3.26	1000.0

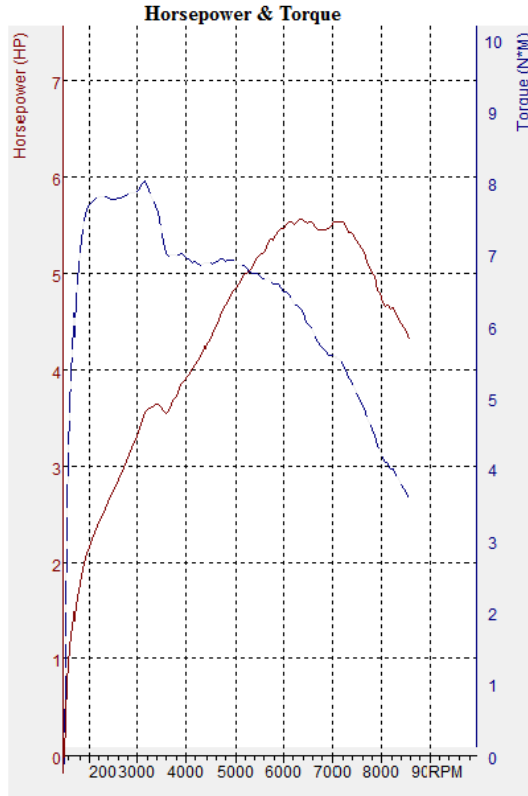
Wheel 5.4 HP 8.0 N\*M  
 LOSSES 0.0 HP 0.0N\*M  
 TOTAL ENGINE: 5.4HP 8.02N\*M





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 DYNAMOMETER: SMK PGRI 2 BADUNG  
 Correction Factor: EC95 -1  
 Power: HP (mechanic)

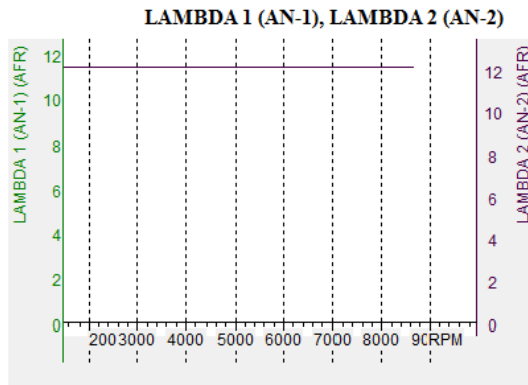
Name	HP/RPM	N*M/RPM	KMH	Temp. (°C)	Humidity (%)	Pressure (mbar)	Date/Time
GRAND UNDIKSA_694	5.6 / 6328	8.05 / 3133	93.1	25.0	60	1000.0	06/10/2023 11:36:20



DATA FOR TEST: GRAND UNDIKSA\_694

RPM	HP (HP)	TQ (N*M)	Tempol (T C-A) (°C)
1750	1.7	6.72	1000.0
2000	2.2	7.70	1000.0
2250	2.5	7.82	1000.0
2500	2.7	7.78	1000.0
2750	3.0	7.83	1000.0
3000	3.3	7.91	1000.0
3133	3.6	8.05	1000.0
3250	3.6	7.85	1000.0
3500	3.6	7.26	1000.0
3750	3.7	7.01	1000.0
4000	3.9	6.95	1000.0
4250	4.1	6.87	1000.0
4500	4.4	6.88	1000.0
4750	4.6	6.93	1000.0
5000	4.9	6.90	1000.0
5250	5.0	6.78	1000.0
5500	5.2	6.72	1000.0
5750	5.3	6.61	1000.0
6000	5.5	6.49	1000.0
6250	5.5	6.29	1000.0
6328	5.6	6.23	1000.0
6500	5.5	6.05	1000.0
6750	5.5	5.74	1000.0
7000	5.5	5.61	1000.0
7250	5.5	5.37	1000.0
7500	5.3	5.03	1000.0
7750	5.1	4.64	1000.0
8000	4.7	4.17	1000.0
8250	4.6	3.99	1000.0
8500	4.4	3.68	1000.0

Wheel 5.6 HP 8.0 N\*M  
 LOSSES 0.0 HP 0.0N\*M  
 TOTAL ENGINE: 5.6HP 8.05N\*M

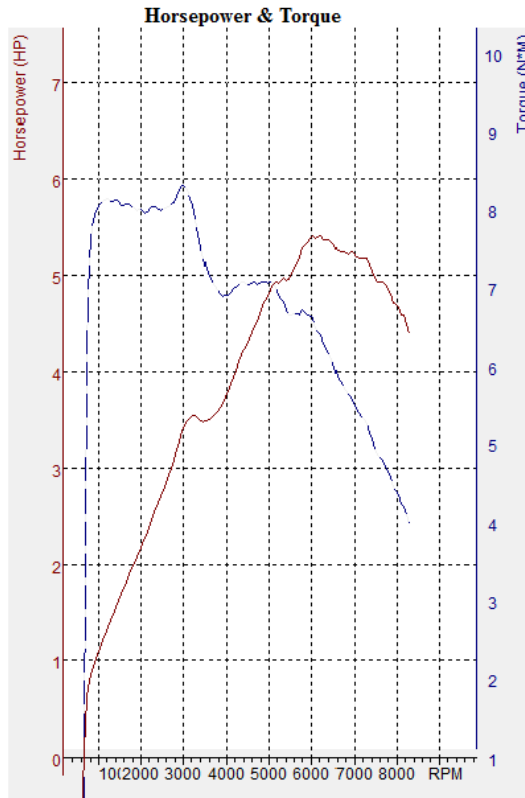






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 DYNAMOMETER: SMK PGRI 2 BADUNG  
 Correction Factor: EC95 -1  
 Power: HP (mechanic)

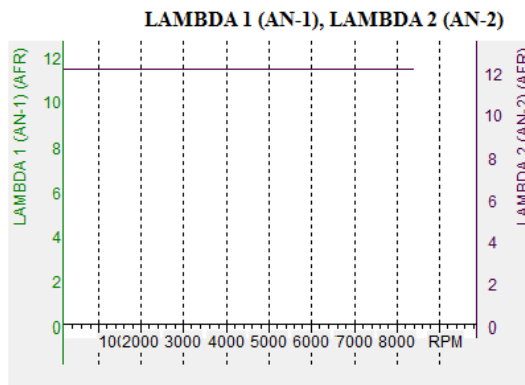
Name	HP/RPM	N*M/RPM	KMH	Temp. (°C)	Humidity (%)	Pressure (mbar)	Date/Time
GRAND UNDIKSA_691	5.4 / 5999	8.10 / 2960	90.4	25.0	60	1000.0	06/10/2023 11:34:35



DATA FOR TEST: GRAND UNDIKSA\_691

RPM	HP (HP)	TQ (N*M)	Tempol (T C-A) (°C)
250	-3.6	-95.37	1000.0
500	-2.8	-38.86	1000.0
750	0.7	6.93	1000.0
1000	1.1	7.86	1000.0
1250	1.4	7.92	1000.0
1500	1.7	7.86	1000.0
1750	1.9	7.84	1000.0
2000	2.2	7.79	1000.0
2250	2.5	7.84	1000.0
2500	2.8	7.81	1000.0
2750	3.1	7.89	1000.0
2960	3.4	8.10	1000.0
3000	3.4	8.10	1000.0
3250	3.6	7.74	1000.0
3500	3.5	7.06	1000.0
3750	3.6	6.77	1000.0
4000	3.8	6.69	1000.0
4250	4.1	6.82	1000.0
4500	4.3	6.83	1000.0
4750	4.6	6.84	1000.0
5000	4.8	6.86	1000.0
5250	4.9	6.67	1000.0
5500	5.0	6.44	1000.0
5750	5.2	6.49	1000.0
6000	5.4	6.41	1000.0
5999	5.4	6.40	1000.0
6250	5.4	6.13	1000.0
6500	5.3	5.82	1000.0
6750	5.2	5.51	1000.0
7000	5.2	5.27	1000.0
7250	5.2	5.09	1000.0
7500	4.9	4.69	1000.0
7750	4.9	4.49	1000.0
8000	4.7	4.14	1000.0
8250	4.5	3.85	1000.0

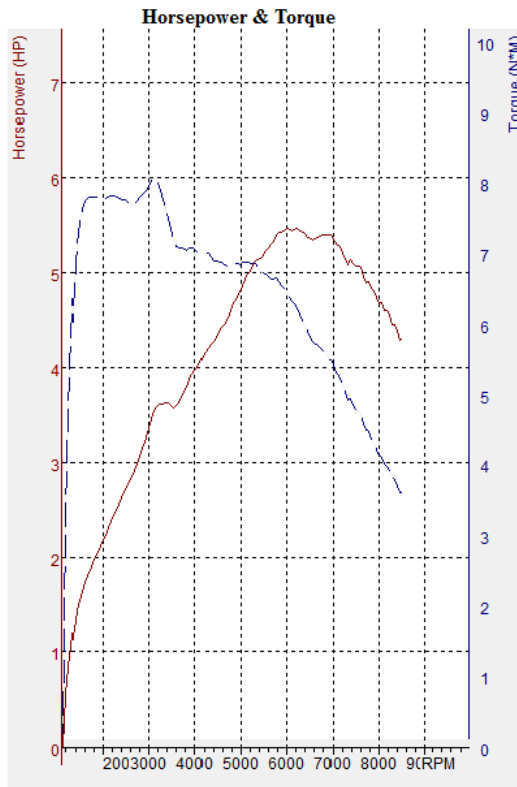
Wheel: 5.4 HP 8.1 N\*M  
 LOSSES: 0.0 HP 0.0N\*M  
 TOTAL ENGINE: 5.4HP 8.10N\*M





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 DYNAMOMETER: SMK PGRI 2 BADUNG  
 Correction Factor: EC95 -1  
 Power: HP (mechanic)

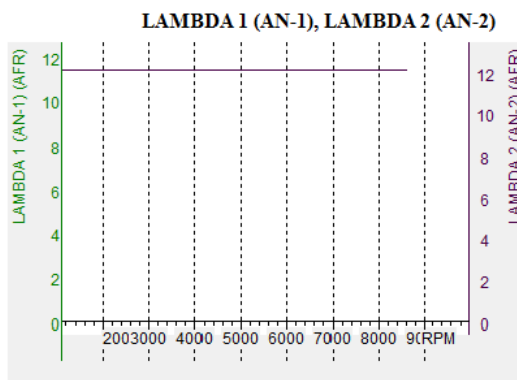
Name	HP/RPM	N*M/RPM	KMH	Temp. (°C)	Humidity (%)	Pressure (mbar)	Date/Time
GRAND UNDIKSA_692	5.5 / 5985	8.11 / 3106	92.8	25.0	60	1000.0	06/10/2023 11:35:12



DATA FOR TEST: GRAND UNDIKSA\_692

RPM	HP (HP)	TQ (N*M)	Tempol (T C-A) (°C)
1250	0.9	5.09	1000.0
1500	1.6	7.58	1000.0
1750	1.9	7.82	1000.0
2000	2.2	7.80	1000.0
2250	2.5	7.84	1000.0
2500	2.7	7.76	1000.0
2750	3.0	7.78	1000.0
3000	3.4	7.99	1000.0
3106	3.6	8.11	1000.0
3250	3.6	7.91	1000.0
3500	3.6	7.26	1000.0
3750	3.7	7.08	1000.0
4000	4.0	7.06	1000.0
4250	4.2	7.02	1000.0
4500	4.4	6.89	1000.0
4750	4.6	6.86	1000.0
5000	4.8	6.87	1000.0
5250	5.1	6.86	1000.0
5500	5.2	6.73	1000.0
5750	5.4	6.66	1000.0
5985	5.5	6.48	1000.0
6000	5.5	6.46	1000.0
6250	5.5	6.20	1000.0
6500	5.4	5.85	1000.0
6750	5.4	5.67	1000.0
7000	5.4	5.43	1000.0
7250	5.1	5.05	1000.0
7500	5.1	4.80	1000.0
7750	4.9	4.50	1000.0
8000	4.7	4.14	1000.0
8250	4.5	3.90	1000.0
8500	4.3	3.59	1000.0

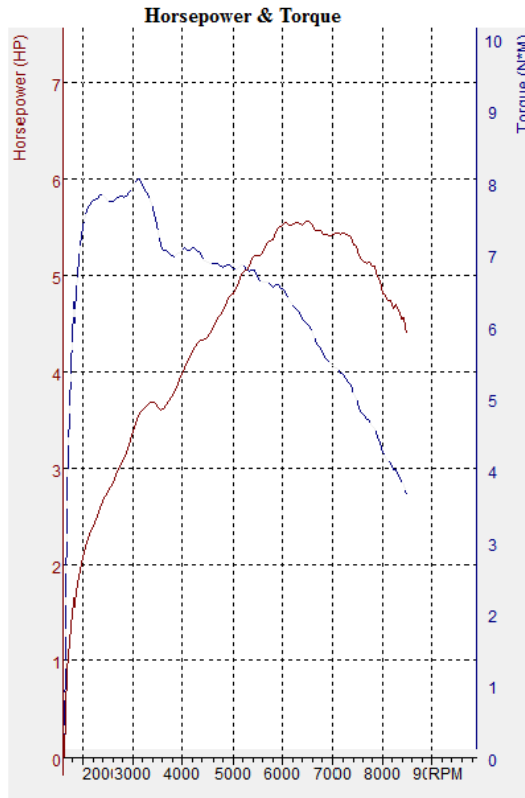
Wheel: 5.5 HP, 8.1 N\*M  
 LOSSES: 0.0 HP, 0.0 N\*M  
 TOTAL ENGINE: 5.5 HP, 8.11 N\*M





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 DYNAMOMETER: SMK PGRI 2 BADUNG  
 Correction Factor: EC95 -1  
 Power: HP (mechanic)

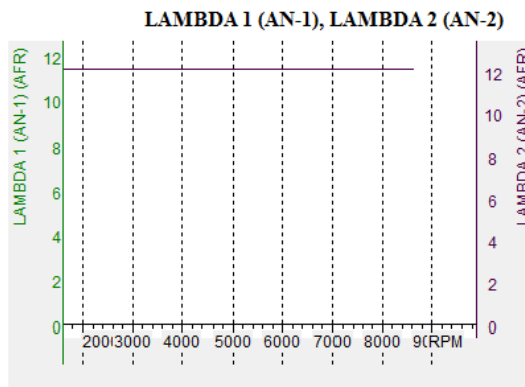
Name	HP/RPM	N*M/RPM	KMH	Temp. (°C)	Humidity (%)	Pressure (mbar)	Date/Time
GRAND UNDIKSA_693	5.6 / 6514	8.11 / 3090	92.7	25.0	60	1000.0	06/10/2023 11:35:47



DATA FOR TEST: GRAND UNDIKSA\_693

RPM	HP (HP)	TQ (N*M)	Tempol (C-A) (°C)
1750	1.3	5.18	1000.0
2000	2.1	7.53	1000.0
2250	2.5	7.82	1000.0
2500	2.7	7.79	1000.0
2750	3.0	7.86	1000.0
3000	3.4	8.01	1000.0
3090	3.6	8.11	1000.0
3250	3.6	7.94	1000.0
3500	3.6	7.37	1000.0
3750	3.7	7.04	1000.0
4000	4.0	7.11	1000.0
4250	4.3	7.12	1000.0
4500	4.4	6.92	1000.0
4750	4.6	6.87	1000.0
5000	4.8	6.84	1000.0
5250	5.1	6.84	1000.0
5500	5.2	6.72	1000.0
5750	5.4	6.62	1000.0
6000	5.5	6.55	1000.0
6250	5.5	6.30	1000.0
6500	5.6	6.09	1000.0
6514	5.6	6.08	1000.0
6750	5.5	5.75	1000.0
7000	5.4	5.51	1000.0
7250	5.4	5.31	1000.0
7500	5.2	4.95	1000.0
7750	5.1	4.69	1000.0
8000	4.8	4.27	1000.0
8250	4.7	4.05	1000.0
8500	4.4	3.67	1000.0

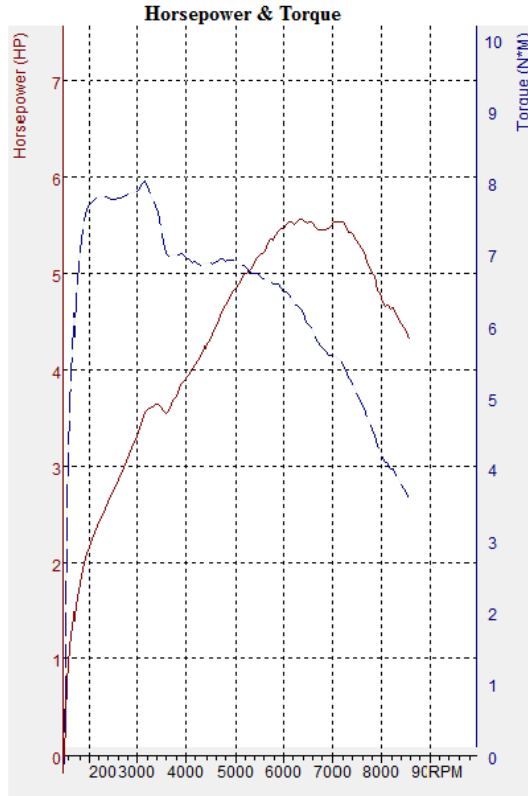
Wheel 5.6 HP 8.1 N\*M  
 LOSSES 0.0 HP 0.0N\*M  
 TOTAL ENGINE: 5.6HP 8.11N\*M





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 DYNAMOMETER: SMK PGRI 2 BADUNG  
 Correction Factor: EC95 -1  
 Power: HP (mechanic)

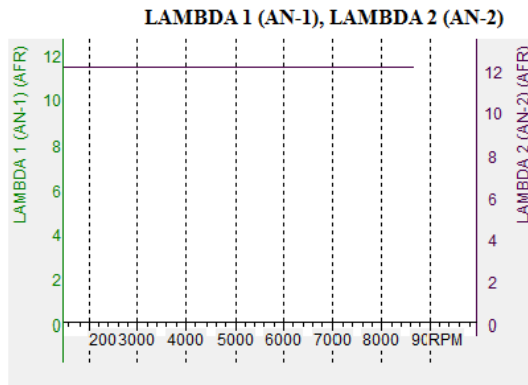
Name	HP/RPM	N*M/RPM	KMH	Temp. (°C)	Humidity (%)	Pressure (mbar)	Date/Time
GRAND UNDIKSA_694	5.6 / 6328	8.05 / 3133	93.1	25.0	60	1000.0	06/10/2023 11:36:20



DATA FOR TEST: GRAND UNDIKSA\_694

RPM	HP (HP)	TQ (N*M)	Tempol (C-A) (°C)
1750	1.7	6.72	1000.0
2000	2.2	7.70	1000.0
2250	2.5	7.82	1000.0
2500	2.7	7.78	1000.0
2750	3.0	7.83	1000.0
3000	3.3	7.91	1000.0
3133	3.6	8.05	1000.0
3250	3.6	7.85	1000.0
3500	3.6	7.26	1000.0
3750	3.7	7.01	1000.0
4000	3.9	6.95	1000.0
4250	4.1	6.87	1000.0
4500	4.4	6.88	1000.0
4750	4.6	6.93	1000.0
5000	4.9	6.90	1000.0
5250	5.0	6.78	1000.0
5500	5.2	6.72	1000.0
5750	5.3	6.61	1000.0
6000	5.5	6.49	1000.0
6250	5.5	6.29	1000.0
6328	5.6	6.23	1000.0
6500	5.5	6.05	1000.0
6750	5.5	5.74	1000.0
7000	5.5	5.61	1000.0
7250	5.5	5.37	1000.0
7500	5.3	5.03	1000.0
7750	5.1	4.64	1000.0
8000	4.7	4.17	1000.0
8250	4.6	3.99	1000.0
8500	4.4	3.68	1000.0

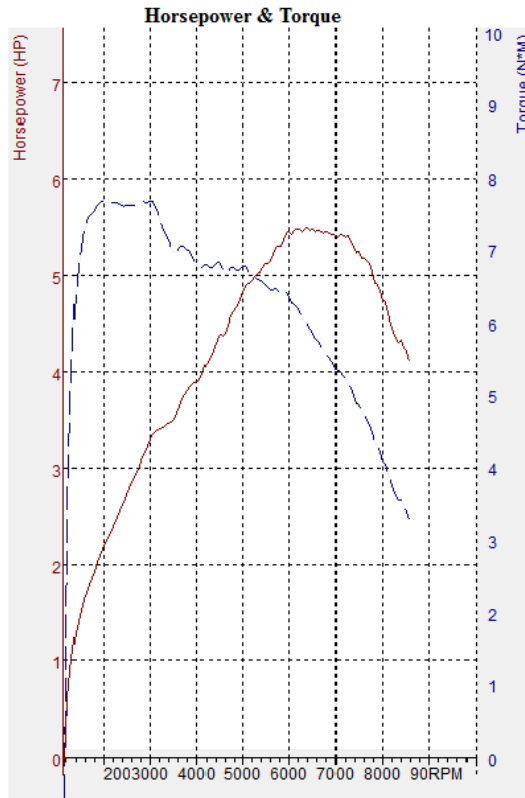
Wheel 5.6 HP 8.0 N\*M  
 LOSSES 0.0 HP 0.0N\*M  
 TOTAL ENGINE: 5.6HP 8.05N\*M





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 SportDyno-Ver date: 28-JUN-2019 (4.0.35.1)  
 DYNAMOMETER: SMK PGRI 2 BADUNG  
 Correction Factor: EC95 -1  
 Power: HP (mechanic)

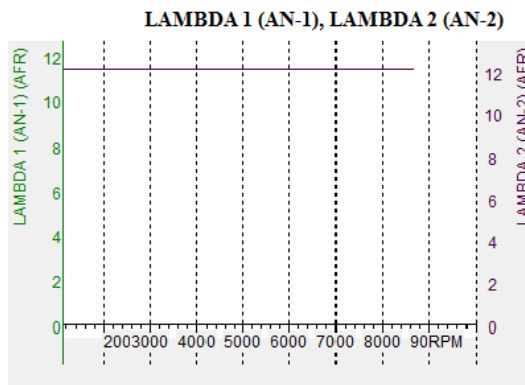
Name	HP/RPM	N*M/RPM	KMH	Temp. (°C)	Humidity (%)	Pressure (mbar)	Date/Time
GRAND UNDIKSA_695	5.5 / 6165	7.81 / 2999	93.2	25.0	60	1000.0	06/10/2023 11:36:58



DATA FOR TEST: GRAND UNDIKSA\_695

RPM	HP (HP)	TQ (N*M)	Tempol (T C-A) (°C)
1250	0.8	4.39	1000.0
1500	1.5	7.17	1000.0
1750	1.9	7.65	1000.0
2000	2.2	7.79	1000.0
2250	2.5	7.78	1000.0
2500	2.7	7.75	1000.0
2750	3.0	7.77	1000.0
3000	3.3	7.81	1000.0
2999	3.3	7.81	1000.0
3250	3.4	7.43	1000.0
3500	3.5	7.11	1000.0
3750	3.8	7.15	1000.0
4000	3.9	6.92	1000.0
4250	4.1	6.89	1000.0
4500	4.4	6.93	1000.0
4750	4.6	6.89	1000.0
5000	4.8	6.90	1000.0
5250	5.0	6.76	1000.0
5500	5.1	6.62	1000.0
5750	5.3	6.55	1000.0
6000	5.4	6.43	1000.0
6165	5.5	6.32	1000.0
6250	5.5	6.20	1000.0
6500	5.5	5.99	1000.0
6750	5.4	5.73	1000.0
7000	5.4	5.49	1000.0
7250	5.4	5.29	1000.0
7500	5.2	4.93	1000.0
7750	5.0	4.62	1000.0
8000	4.7	4.18	1000.0
8250	4.4	3.78	1000.0
8500	4.2	3.51	1000.0

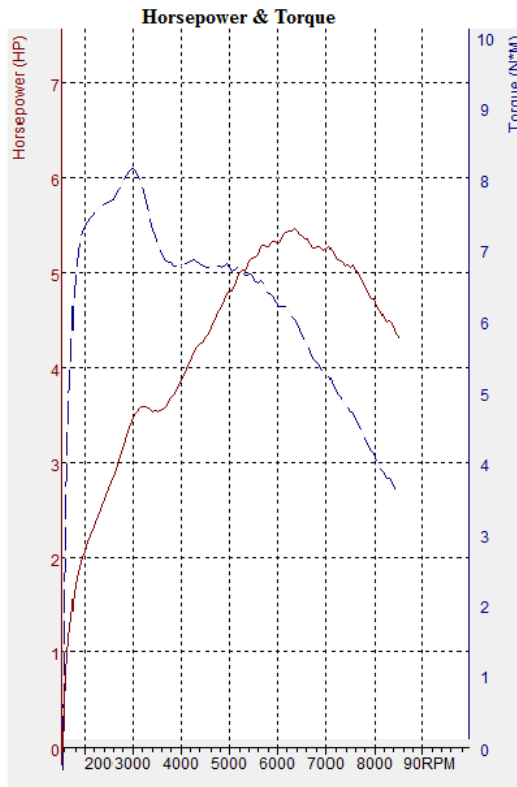
Wheel: 5.5 HP 7.8 N\*M  
 LOSSES: 0.0 HP 0.0N\*M  
 TOTAL ENGINE: 5.5HP 7.81N\*M





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 DYNAMOMETER: SMK PGRI 2 BADUNG  
 Correction Factor: EC95 -1  
 Power: HP (mechanic)

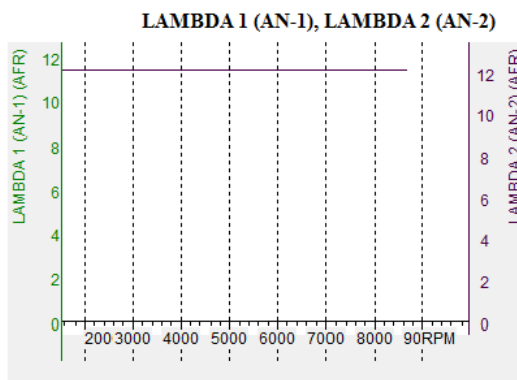
Name	HP/RPM	N*M/RPM	KMH	Temp. (°C)	Humidity (%)	Pressure (mbar)	Date/Time
GRAND UNDIKSA_696	5.5 / 6335	8.23 / 2973	93.2	25.0	60	1000.0	06/10/2023 11:37:31



DATA FOR TEST: GRAND UNDIKSA\_696

RPM	HP (HP)	TQ (N*M)	Termol (T C-A) (°C)
1750	1.6	6.32	1000.0
2000	2.1	7.43	1000.0
2250	2.4	7.68	1000.0
2500	2.7	7.77	1000.0
2750	3.1	8.00	1000.0
2973	3.5	8.23	1000.0
3000	3.5	8.23	1000.0
3250	3.6	7.85	1000.0
3500	3.5	7.17	1000.0
3750	3.6	6.91	1000.0
4000	3.9	6.86	1000.0
4250	4.2	6.94	1000.0
4500	4.3	6.84	1000.0
4750	4.6	6.85	1000.0
5000	4.8	6.81	1000.0
5250	5.0	6.79	1000.0
5500	5.2	6.66	1000.0
5750	5.3	6.50	1000.0
6000	5.3	6.29	1000.0
6250	5.4	6.20	1000.0
6335	5.5	6.12	1000.0
6500	5.4	5.88	1000.0
6750	5.3	5.54	1000.0
7000	5.3	5.34	1000.0
7250	5.1	5.03	1000.0
7500	5.1	4.80	1000.0
7750	4.9	4.48	1000.0
8000	4.7	4.18	1000.0
8250	4.5	3.87	1000.0
8500	4.3	3.58	1000.0
8750	4.2	3.50	1000.0

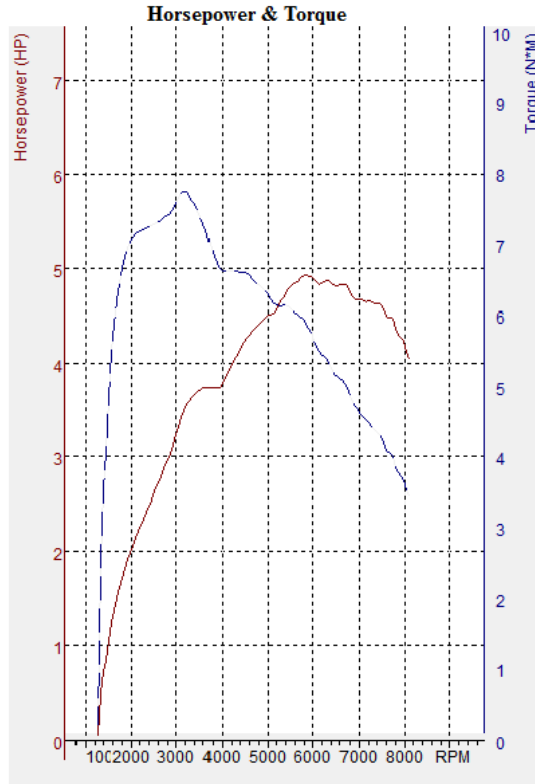
Wheel 5.5 HP 8.2 N\*M  
 LOSSES 0.0 HP 0.0N\*M  
 TOTAL ENGINE: 5.5HP 8.23N\*M





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 SportDyno-Ver date: 28-JUN-2019 (4.0.35.1)  
 DYNAMOMETER: SMK PGRI 2 BADUNG  
 Correction Factor: EC95 -1  
 Power: HP (mechanic)

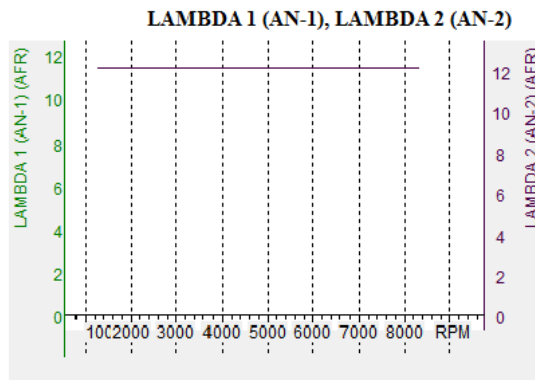
Name	HP/RPM	N*M/RPM	KMH	Temp. (°C)	Humidity (%)	Pressure (mbar)	Date/Time
GRAND UNDIKSA_690	4.9 / 5701	8.21 / 3036	60.8	25.0	60	1000.0	06/10/2023 1 1:33:55
GRAND UNDIKSA_682	4.9 / 5831	7.87 / 3144	68.7	25.0	60	1000.0	06/10/2023 1 1:28:55



DATA FOR TEST: GRAND UNDIKSA\_682

RPM	HP (HP)	TQ (N*M)	Termol (T C-A) (°C)
1500	1.0	4.94	1000.0
1750	1.7	6.68	1000.0
2000	2.0	7.18	1000.0
2250	2.3	7.32	1000.0
2500	2.6	7.40	1000.0
2750	2.9	7.52	1000.0
3000	3.3	7.74	1000.0
3144	3.5	7.87	1000.0
3250	3.6	7.80	1000.0
3500	3.7	7.50	1000.0
3750	3.7	7.06	1000.0
4000	3.8	6.73	1000.0
4250	4.0	6.73	1000.0
4500	4.3	6.71	1000.0
4750	4.4	6.56	1000.0
5000	4.5	6.41	1000.0
5250	4.6	6.24	1000.0
5500	4.8	6.22	1000.0
5750	4.9	6.06	1000.0
5831	4.9	5.98	1000.0
6000	4.9	5.80	1000.0
6250	4.9	5.52	1000.0
6500	4.8	5.25	1000.0
6750	4.8	5.03	1000.0
7000	4.7	4.74	1000.0
7250	4.7	4.56	1000.0
7500	4.6	4.34	1000.0
7750	4.4	4.06	1000.0
8000	4.2	3.72	1000.0
8250	4.2	3.78	1000.0

Wheel: 4.9 HP, 7.9 N\*M  
 LOSSES: 0.0 HP, 0.0N\*M  
 TOTAL ENGINE: 4.9HP, 7.87N\*M





Lampiran 4. Dokumentasi pengambilan data penelitian



Proses penggantian Roda



Proses Uji *Dynotest* oleh Instruktur





Proses pembacaan hasil uji *Dynotest* oleh instruktur

