

Measurement Table

Date	12-Nov-20
Starting Time	08.00 WIB
Turbine	Crossflow
Water Discharge	19 L/s
Load	Without Load



No.	Time (Secon)	Rotation Turbine (rpm)	Voltage (Volt)	Current (A)	Lamp Condition
1	4	1300	0	219	Lights Off
2	8	1400	0	219	
3	12	1355	0	219	
4	16	1600	0	219	
5	20	1500	0	219	
6	24	1553	0	219	
7	28	1320	0	219	
8	32	1432	0	219	
9	36	1520	0	219	
10	40	1670	0	219	
11	44	1720	0	219	
12	48	1600	0	219	
13	52	1535	0	219	
14	56	1320	0	219	
15	60	1340	0	219	
Average		1477.67	0.00	219.00	

Measured by

Jupri Yanda Zaira, ST.MT

Measurement Table

Date	12-Nov-20
Starting Time	08.20 WIB
Turbine	Crossflow
Water Discharge	19 L/s
Load	60 Watt



No.	Time	Rotation Turbine	Voltage	Current	Lamp Condition
	(Secon)	(rpm)	(Volt)	(A)	
1	4	1400	226	0.278	Lights on
2	8	1430	226	0.278	
3	12	1355	225	0.276	
4	16	1600	227	0.278	
5	20	1500	224	0.254	
6	24	1545	225	0.276	
7	28	1312	226	0.278	
8	32	1432	226	0.278	
9	36	1534	226	0.278	
10	40	1570	226	0.278	
11	44	1120	225	0.276	
12	48	1500	224	0.254	
13	52	1535	225	0.276	
14	56	1520	226	0.278	
15	60	1340	226	0.278	
Average		1446.20	225.53	0.27	

Measured by

Jupri Yanda Zaira, ST.MT

Measurement Table

Date	12-Nov-20
Starting Time	08.40 WIB
Turbine	Crossflow
Water Discharge	19 L/s
Load	120 Watt



No.	Time	Rotation Turbine	Voltage	Current	Lamp Condition
	(Secon)	(rpm)	(Volt)	(A)	
1	4	1500	213	0.552	Lights on
2	8	1230	214	0.508	
3	12	1455	213	0.552	
4	16	1500	213	0.552	
5	20	1300	212	0.5	
6	24	1345	214	0.508	
7	28	1112	212	0.5	
8	32	1232	213	0.552	
9	36	1234	213	0.552	
10	40	1470	213	0.552	
11	44	1420	214	0.508	
12	48	1400	213	0.552	
13	52	1435	213	0.552	
14	56	1520	213	0.552	
15	60	1440	213	0.552	
Average		1372.87	213.07	0.54	

Measured by

Jupri Yanda Zaira, ST.MT

Measurement Table

Date	12-Nov-20
Starting Time	09.00 WIB
Turbine	Crossflow
Water Discharge	19 L/s
Load	180 Watt



No.	Time	Rotation Turbine	Voltage	Current	Lamp Condition
	(Secon)	(rpm)	(Volt)	(A)	
1	4	1534	198	0.666	Lights on
2	8	1400	198	0.666	
3	12	1354	197	0.66	
4	16	1504	198	0.666	
5	20	1304	198	0.666	
6	24	1342	198	0.666	
7	28	1312	197	0.66	
8	32	1232	197	0.66	
9	36	1235	198	0.666	
10	40	1476	197	0.66	
11	44	1422	198	0.666	
12	48	1301	198	0.666	
13	52	1331	198	0.666	
14	56	1423	197	0.66	
15	60	1345	198	0.666	
Average		1367.67	197.67	0.66	

Measured by

Jupri Yanda Zaira, ST.MT

Measurement Table

Date	12-Nov-20
Starting Time	09.20 WIB
Turbine	Crossflow
Water Discharge	19 L/s
Load	240 Watt



No.	Time	Rotation Turbine	Voltage	Current	Lamp Condition
	(Secon)	(rpm)	(Volt)	(A)	
1	4	1200	184	0.776	Lights on
2	8	1130	185	0.784	
3	12	1255	186	0.792	
4	16	1520	184	0.776	
5	20	1310	184	0.776	
6	24	1345	183	0.768	
7	28	1212	184	0.776	
8	32	1213	185	0.784	
9	36	1232	184	0.776	
10	40	1412	184	0.776	
11	44	1342	185	0.784	
12	48	1430	185	0.784	
13	52	1235	184	0.776	
14	56	1320	184	0.776	
15	60	1540	184	0.776	
Average		1313.07	184.33	0.78	

Measured by

Jupri Yanda Zaira, ST.MT