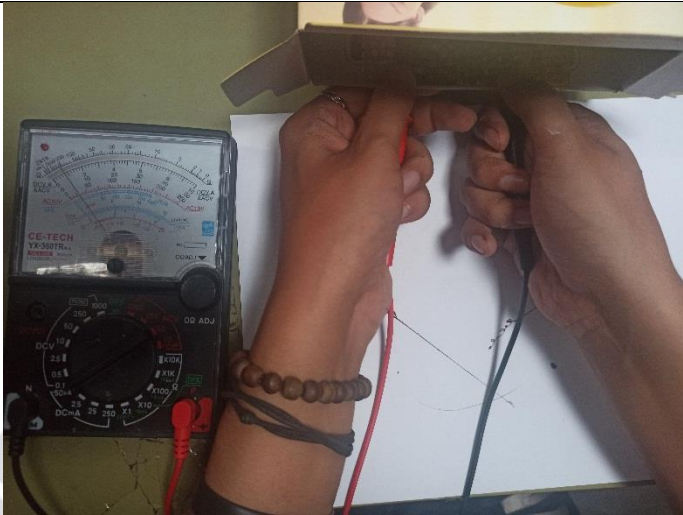
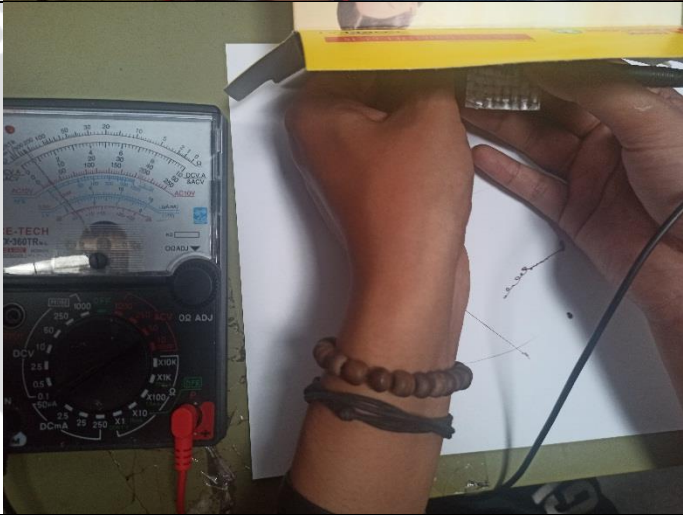
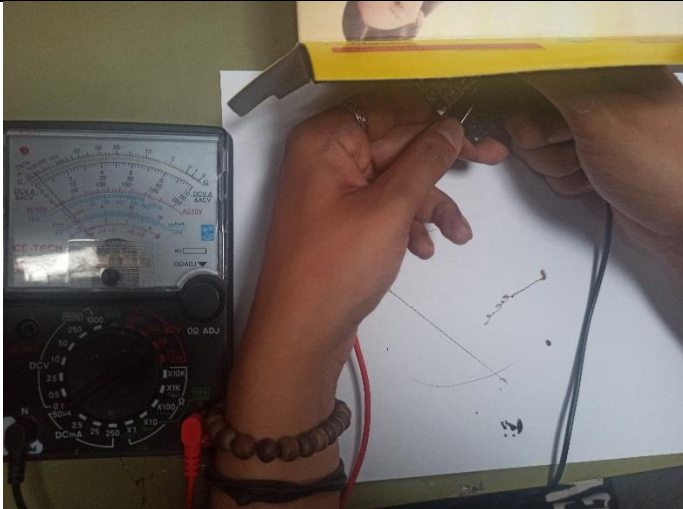
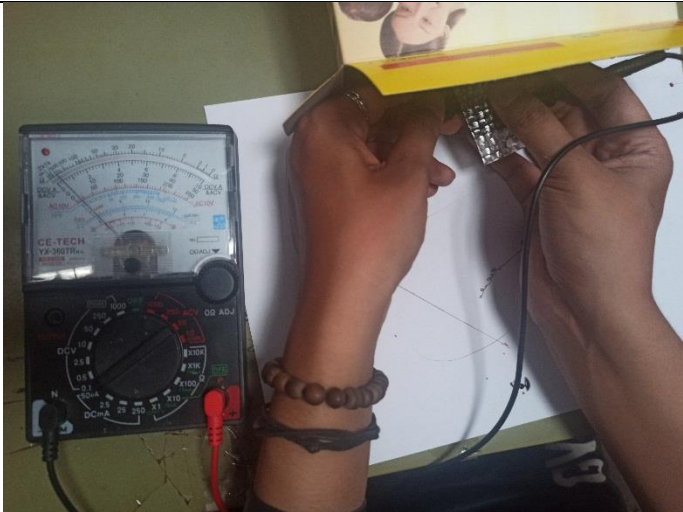
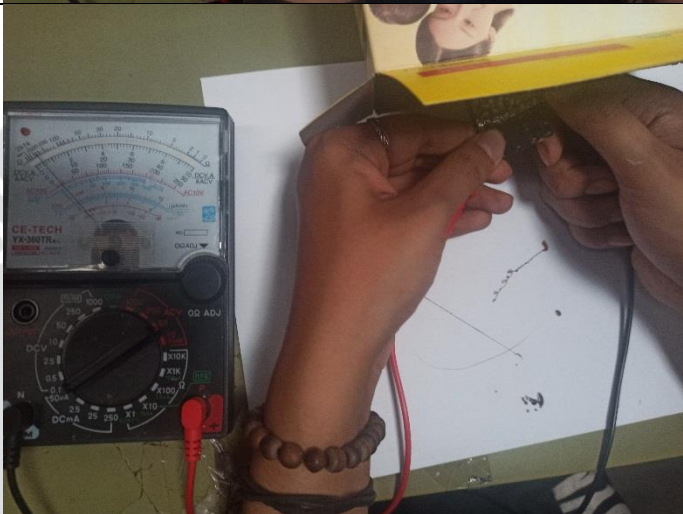


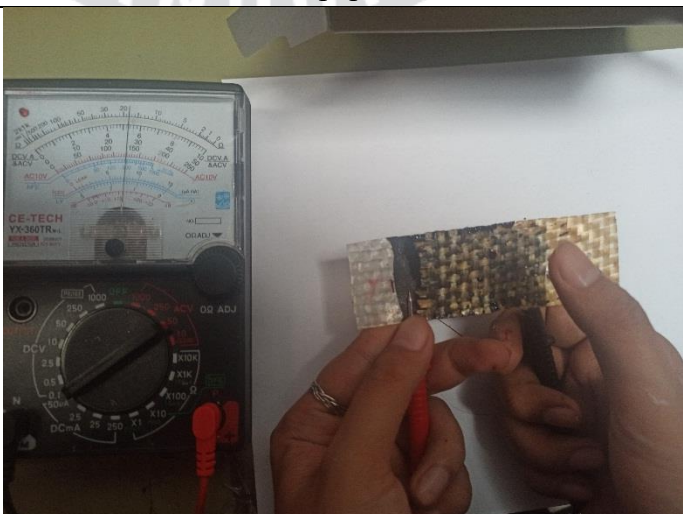
Lampiran A Cara pengambilan data tegangan yang dihasilkan kain dengan AVOMeter

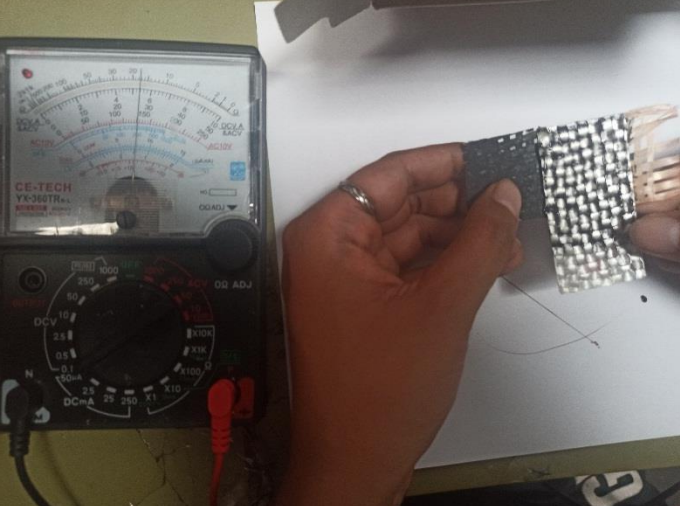
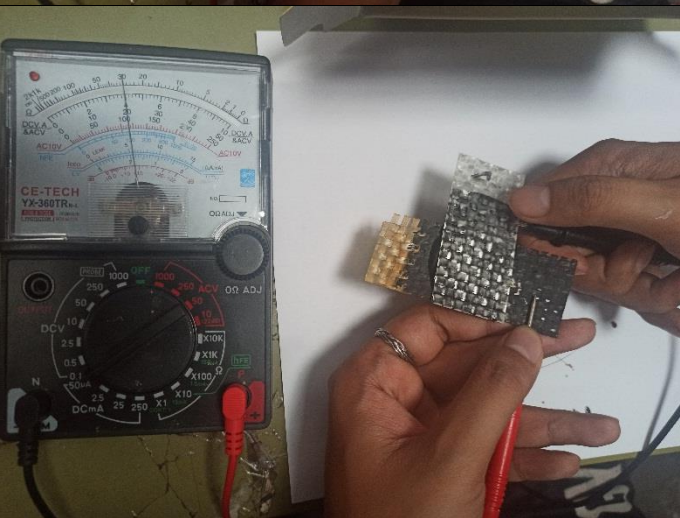
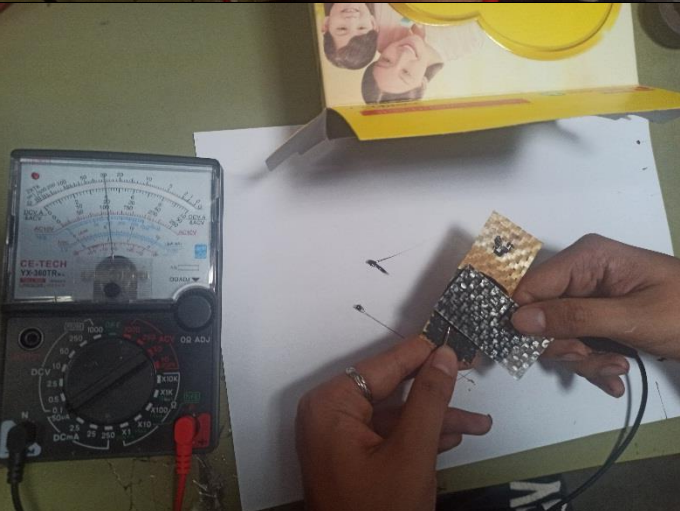
A.1. Pengambilan data tanpa paparan sinar matahari

Variasi	Tanpa paparan sinar
1	
2	
3	

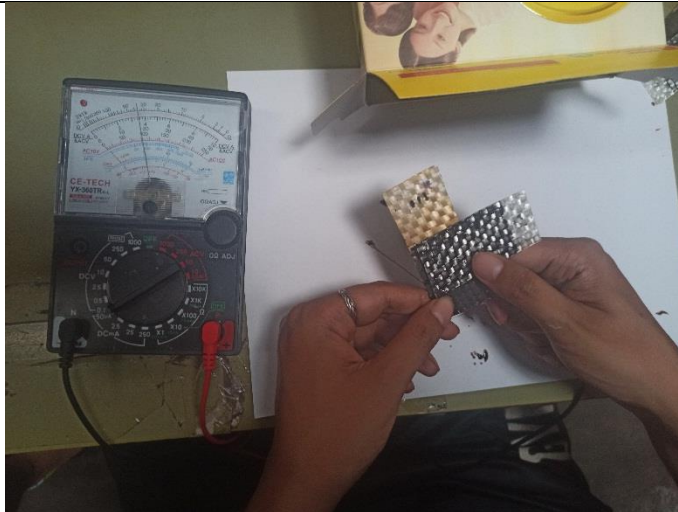
4	
5	

A.2. Pengambilan data dibawah paparan sinar

Variasi	Dibawah paparan sinar
1	

2			
3			
4			

5



Lampiran B Data UV-Vis

B.1. Data UV-Vis TiO₂

Wavelength (nm)	Absorbansi (<i>a</i>)	Absorbansi/ Thickness	Energi gap	<i>a. hv</i>	(<i>a. hv</i>) ²
700	3,421	6842000,000	1,771	12120114	1,47E+14
690	3,534	7068000,000	1,797	12701913	1,61E+14
680	3,360	6720000,000	1,824	12254118	1,5E+14
670	3,468	6936000,000	1,851	12836776	1,65E+14
660	3,605	7210000,000	1,879	13546061	1,83E+14
650	3,499	6998000,000	1,908	13350031	1,78E+14
640	3,394	6788000,000	1,938	13151750	1,73E+14
630	3,376	6752000,000	1,968	13289651	1,77E+14
620	3,612	7224000,000	2,000	14448000	2,09E+14
610	3,598	7196000,000	2,033	14627934	2,14E+14
600	3,428	6856000,000	2,067	14169067	2,01E+14
590	3,590	7180000,000	2,102	15090169	2,28E+14
580	3,419	6838000,000	2,138	14619172	2,14E+14
570	3,501	7002000,000	2,175	15232421	2,32E+14
560	3,439	6878000,000	2,214	15229857	2,32E+14
550	3,411	6822000,000	2,255	15380509	2,37E+14
540	3,483	6966000,000	2,296	15996000	2,56E+14
530	3,381	6762000,000	2,340	15820528	2,5E+14
520	3,448	6896000,000	2,385	16444308	2,7E+14
510	3,358	6716000,000	2,431	16329098	2,67E+14
500	3,606	7212000,000	2,480	17885760	3,2E+14
490	3,395	6790000,000	2,531	17182857	2,95E+14
480	3,367	6734000,000	2,583	17396167	3,03E+14
470	3,422	6844000,000	2,638	18056511	3,26E+14
460	3,402	6804000,000	2,696	18341217	3,36E+14
450	3,361	6722000,000	2,756	18522844	3,43E+14
440	3,383	6766000,000	2,818	19067818	3,64E+14
430	3,399	6798000,000	2,884	19603535	3,84E+14
420	3,441	6882000,000	2,952	20318286	4,13E+14
410	3,449	6898000,000	3,024	20862244	4,35E+14
400	3,671	7342000,000	3,100	22760200	5,18E+14
390	3,894	7788000,000	3,179	24761846	6,13E+14
380	3,901	7802000,000	3,263	25459158	6,48E+14

B.2. Data UV-Vis zat warna

Wavelength (nm)	Absorbansi (α)	Absorbansi/ Thickness	Energi gap	$\alpha \cdot h\nu$	$(\alpha \cdot h\nu)^2$
700	2,424	4848000,000	1,771	8587886	7,38E+13
690	2,458	4916000,000	1,797	8834551	7,8E+13
680	2,468	4936000,000	1,824	9000941	8,1E+13
670	2,472	4944000,000	1,851	9150090	8,37E+13
660	2,506	5012000,000	1,879	9416485	8,87E+13
650	2,576	5152000,000	1,908	9828431	9,66E+13
640	2,576	5152000,000	1,938	9982000	9,96E+13
630	2,538	5076000,000	1,968	9990857	9,98E+13
620	2,597	5194000,000	2,000	10388000	1,08E+14
610	2,603	5206000,000	2,033	10582689	1,12E+14
600	2,646	5292000,000	2,067	10936800	1,2E+14
590	2,679	5358000,000	2,102	11260881	1,27E+14
580	2,701	5402000,000	2,138	11549103	1,33E+14
570	2,804	5608000,000	2,175	12199860	1,49E+14
560	2,971	5942000,000	2,214	13157286	1,73E+14
550	3,248	6496000,000	2,255	14645527	2,14E+14
540	3,556	7112000,000	2,296	16331259	2,67E+14
530	3,632	7264000,000	2,340	16995019	2,89E+14
520	3,842	7684000,000	2,385	18323385	3,36E+14
510	3,954	7908000,000	2,431	19227294	3,7E+14