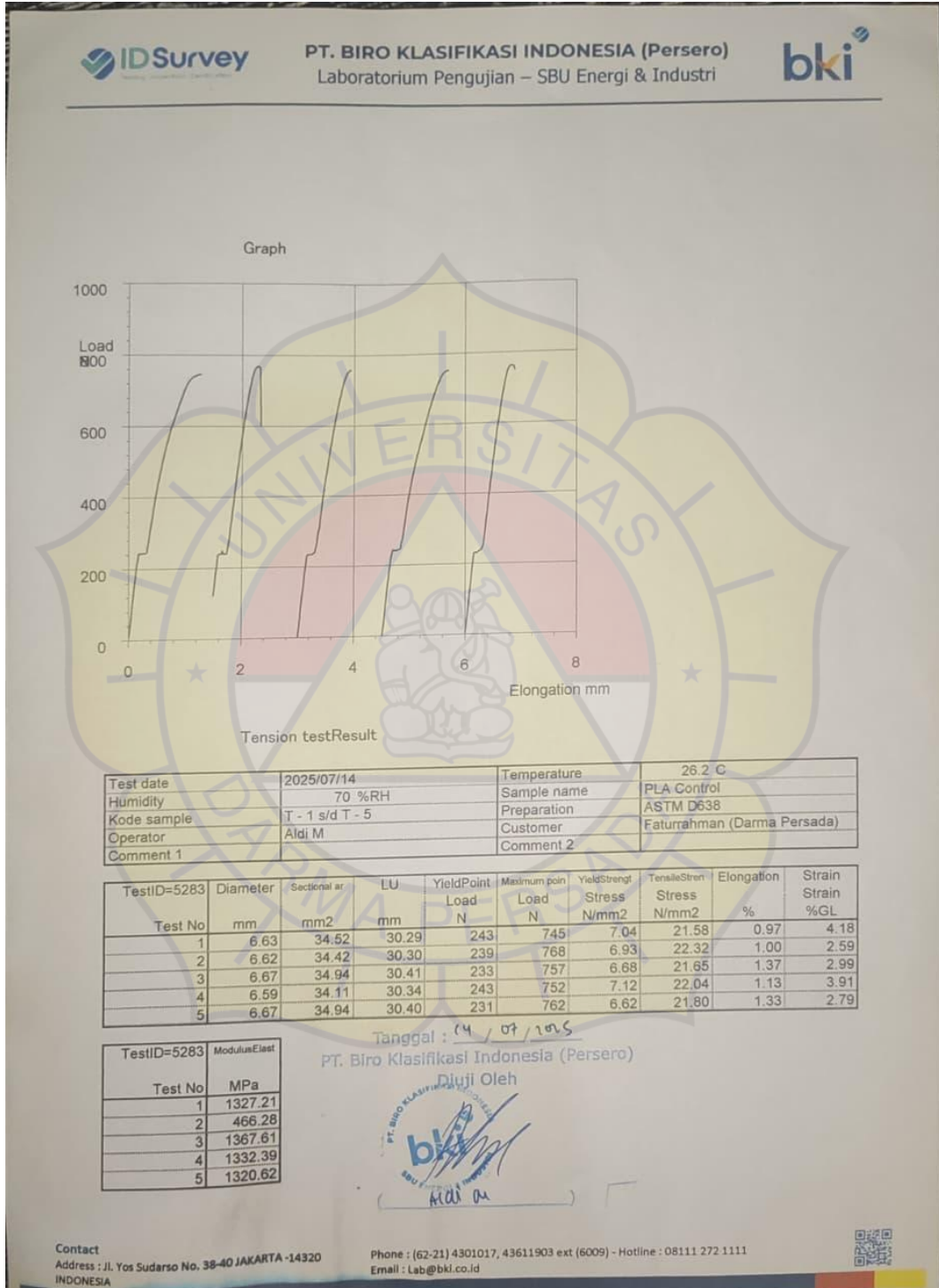


LAMPIRAN

Lampiran 1. Data Hasil Uji Tarik



Graph



Tension testResult

Test date	2025/07/14	Temperature	26.2 C
Humidity	70 %RH	Sample name	Nylon
Kode sample	T - 1 s/d T - 5	Preparation	ASTM D638
Operator	Aldi M	Customer	Faturrahman (Darma Persada)
Comment 1		Comment 2	

TestID=5285	Diameter	Sectional ar	LU	YieldPoint Load	Maximum poin Load	YieldStrengt Stress	TensileStran Stress	Elongation	Strain Strain
Test No	mm	mm2	mm	N	N	N/mm2	N/mm2	%	%GL
1	6.69	35.15	31.04	235	479	6.68	13.63	3.47	13.41
2	6.62	34.42	31.16	235	549	6.84	15.95	3.87	16.20
3	6.65	34.73	30.40	237	394	6.81	11.33	1.33	7.37
4	6.66	34.84	31.13	237	523	6.80	15.03	3.77	15.14
5	6.71	35.36	30.86	240	471	6.79	13.33	2.87	12.22

TestID=5285	ModulusElast
Test No	MPa
1	257.57
2	338.61
3	329.30
4	305.75
5	281.46

Tanggal : 14 / 07 / 2025
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Dituj Oleh

(Signature)
Aldi M

Contact
Address : Jl. Yos Sudarso No. 38-40 JAKARTA -14320
INDONESIA

Phone : (62-21) 4301017, 43611903 ext (6009) - Hotline : 08111 272 1111
Email : Lab@bki.co.id



Graph



Tension testResult

Test date	2025/07/14	Temperature	26.2 C
Humidity	70 %RH	Sample name	Nylon - PLA 1300 RPM
Kode sample	T - 1	Preparation	ASTM D638
Operator	Aldi M	Customer	Faturrahman (Darma Persada)
Comment 1		Comment 2	

TestID=5287	Diameter	Sectional ar	LU	YieldPoint Load	Maximum point Load	YieldStrengt Stress	TensileStren Stress	Elongation	Strain
Test No	mm	mm2	mm	N	N	N/mm2	N/mm2	%	%GL
1	6.75	35.78	0.10	*****	1	*****	0.03	0.00	0.00

TestID=5287	ModulusElast
Test No	MPa
1	35.207

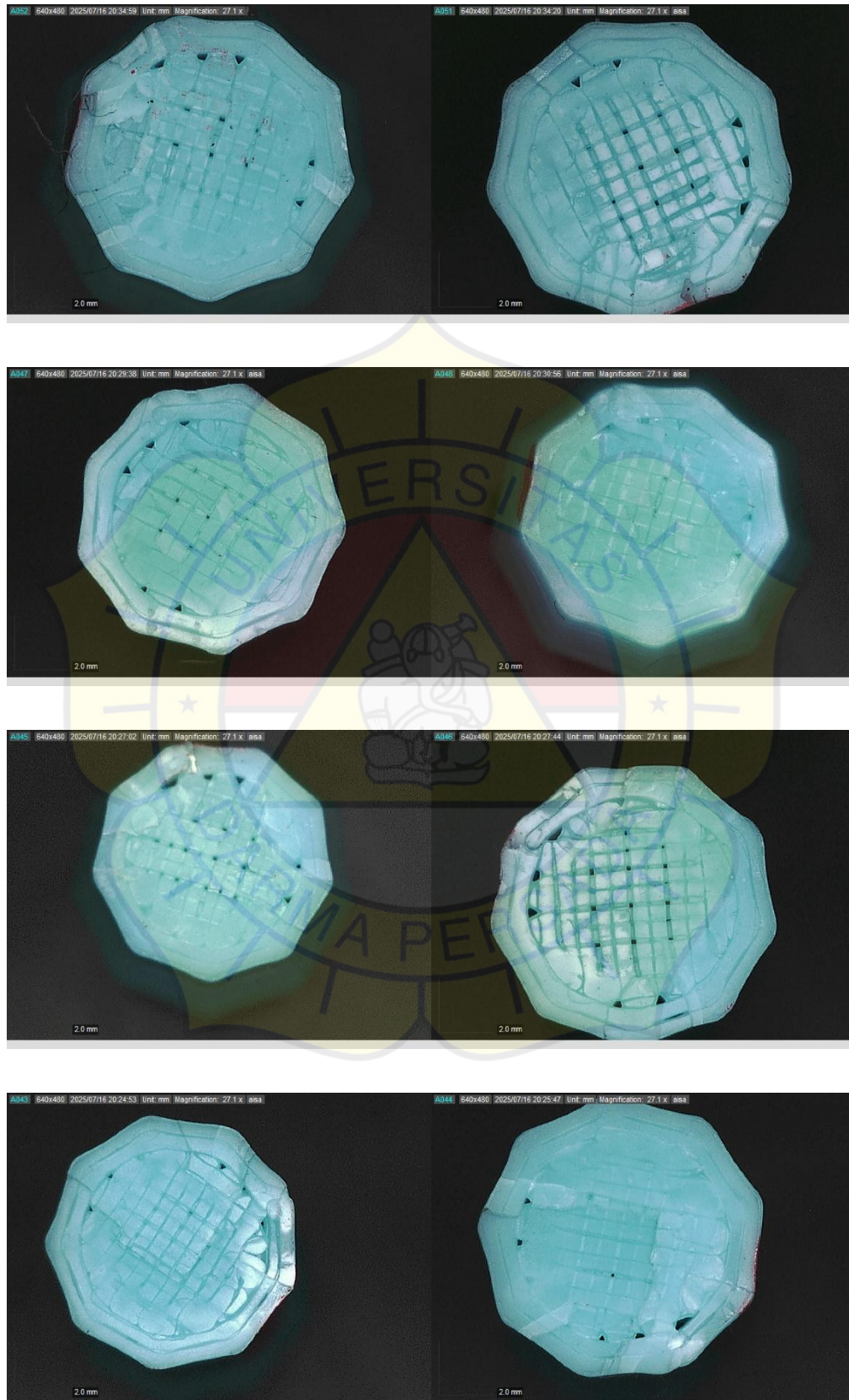
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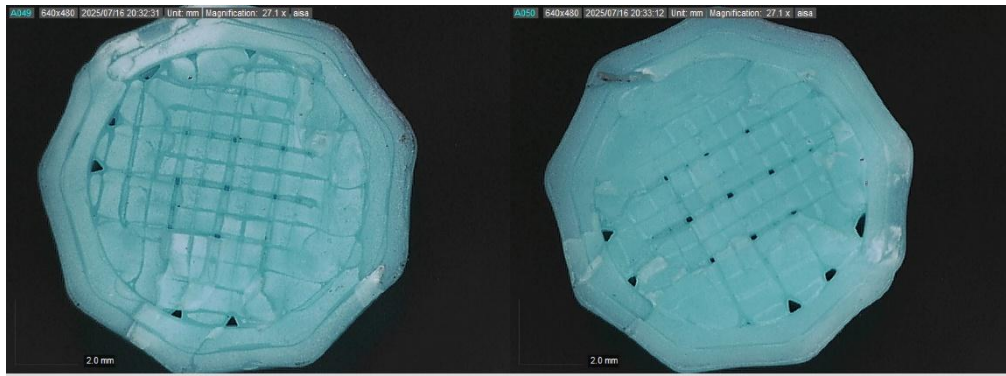
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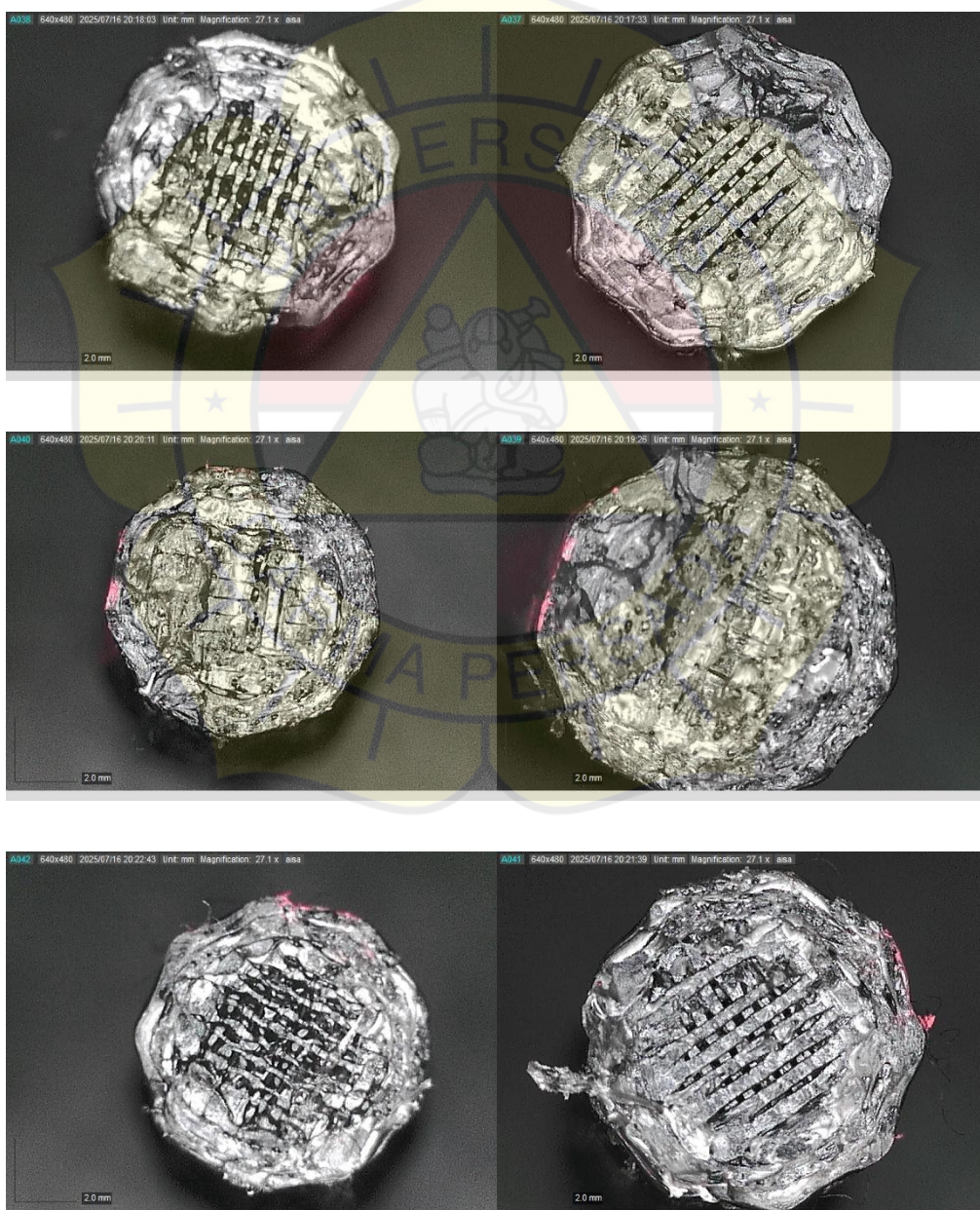


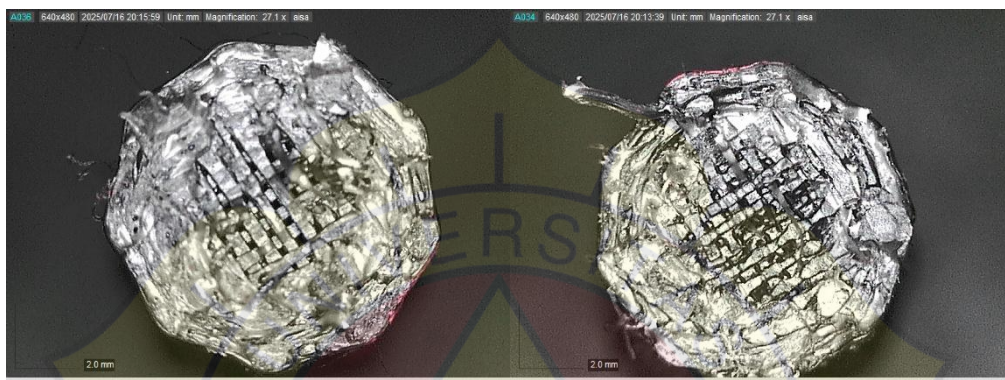
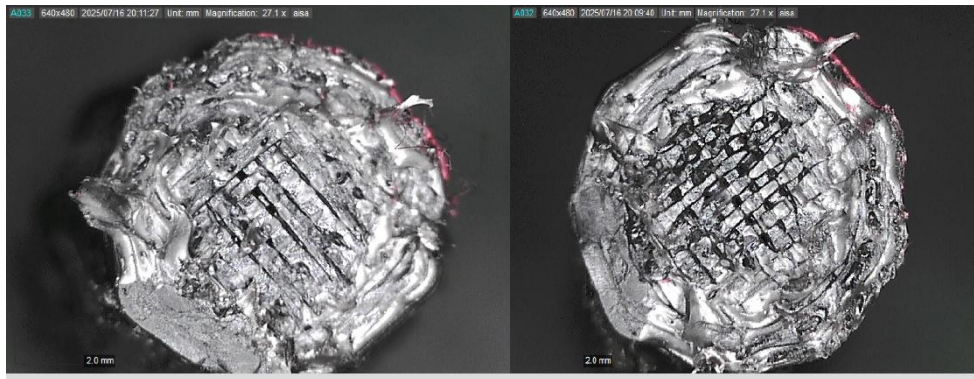
Lampiran 2. Hasil Uji Mikrostruktur Spesimen Control



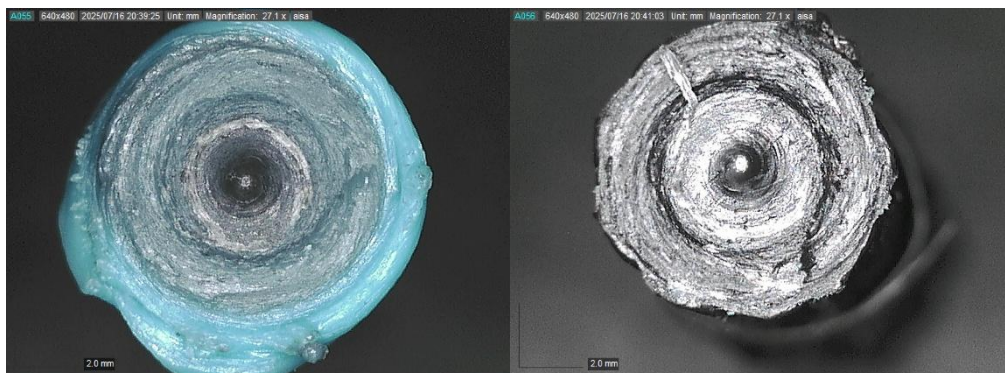
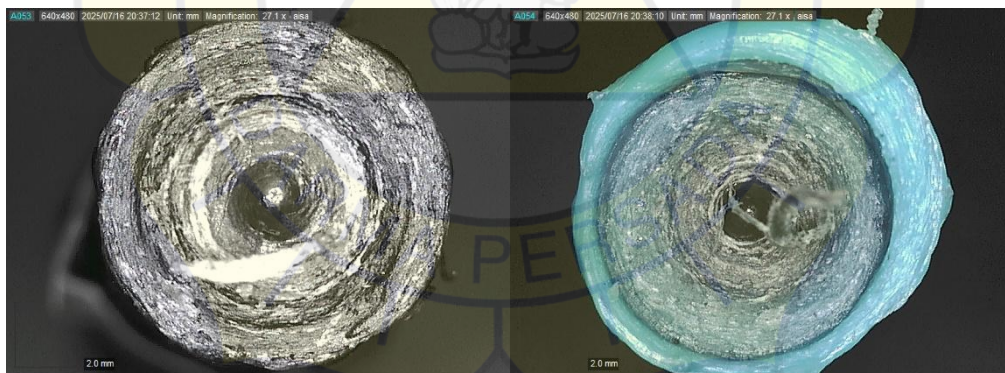


Lampiran 3. Hasil Uji Mikrostruktur Spesimen *Nylon* Control

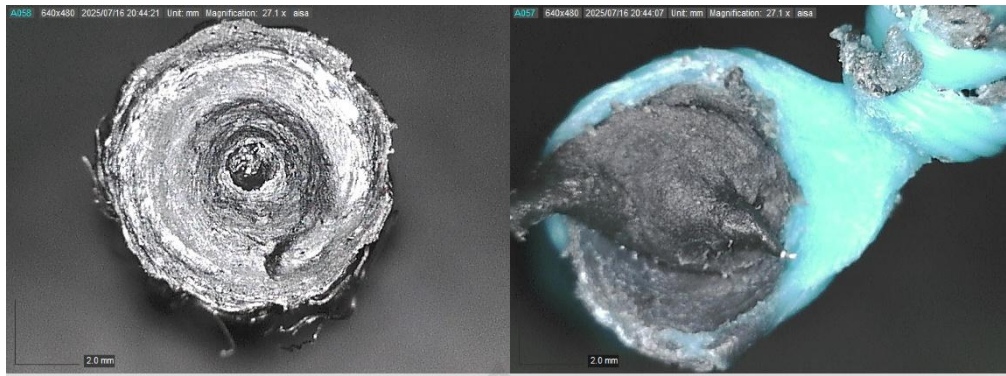
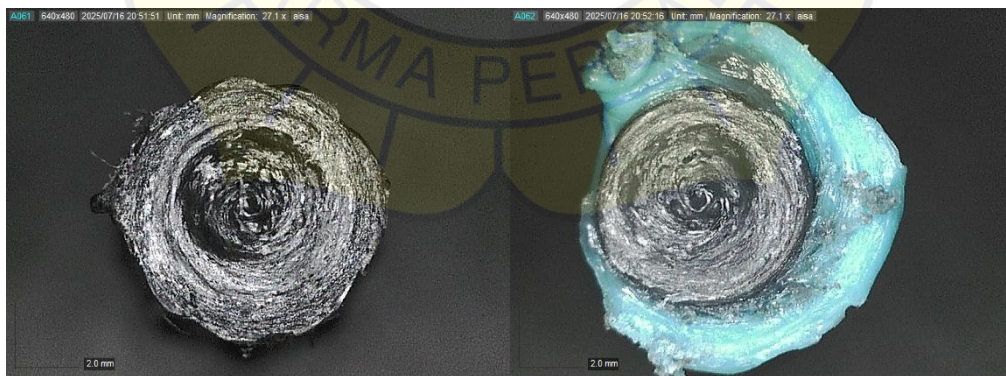


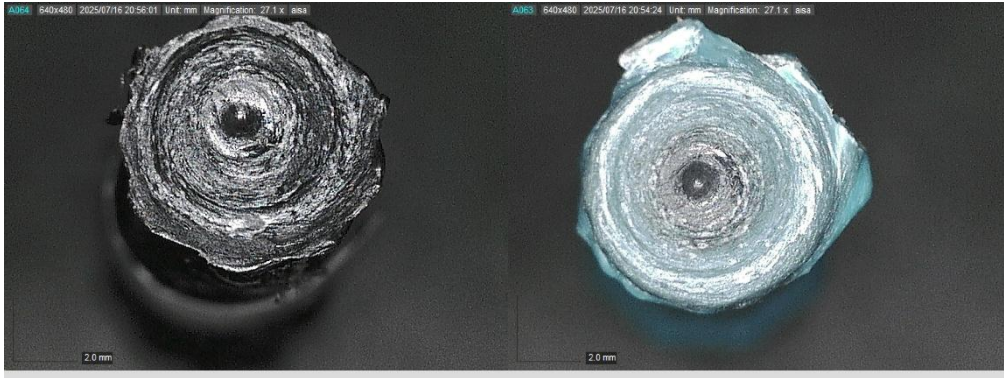


Lampiran 4. Hasil Uji Mikrostruktur Spesimen *Nylon* PLA 1300 RPM



Lampiran 5. Hasil Uji Mikrostruktur Spesimen PLA Diam 2000 RPM

Lampiran 6. Hasil Uji Mikrostruktur Spesimen *Nylon* Diam 2000 RPM



Lampiran 7. Hasil Pengecekan turnitin



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