

Lampiran 1

A. Hasil analisa morfologi *nanofiber* PVA/Lendir bekicot

Tabel distribusi diameter *nanofiber*

No	Konsentrasi PVA/Lendir bekicot							
	1%		3%		5%		7%	
	Diameter		Diameter		Diameter		Diameter	
	Micro	Nano (Nm)	Micro	Nano (Nm)	Micro	Nano (Nm)	Micro	Nano (Nm)
1	0,27	270	0,2	200	0,26	260	0,26	260
2	0,19	190	0,21	210	0,27	270	0,21	210
3	0,15	150	0,22	220	0,27	270	0,24	240
4	0,19	190	0,18	180	0,21	210	0,25	250
5	0,17	170	0,19	190	0,22	220	0,24	240
6	0,19	190	0,2	200	0,23	230	0,26	260
7	0,22	220	0,21	210	0,24	240	0,19	190
8	0,23	230	0,22	220	0,25	250	0,3	300
9	0,19	190	0,16	160	0,26	260	0,24	240
10	0,2	200	0,16	160	0,25	250	0,21	210
11	0,22	220	0,17	170	0,29	290	0,27	270
12	0,19	190	0,18	180	0,23	230	0,27	270
13	0,2	200	0,16	160	0,47	470	0,29	290
14	0,21	210	0,16	160	0,29	290	0,27	270
15	0,19	190	0,21	210	0,25	250	0,25	250
16	0,19	190	0,21	210	0,28	280	0,27	270
17	0,2	200	0,22	220	0,28	280	0,26	260
18	0,19	190	0,14	140	0,29	290	0,29	290
19	0,2	200	0,13	130	0,29	290	0,26	260
20	0,14	140	0,16	160	0,29	290	0,17	170
21	0,23	230	0,18	180	0,25	250	0,2	200
22	0,24	240	0,22	220	0,21	210	0,2	200
23	0,18	180	0,24	240	0,21	210	0,22	220
24	0,21	210	0,18	180	0,21	210	0,23	230
25	0,25	250	0,2	200	0,25	250	0,24	240
26	0,21	210	0,22	220	0,24	240	0,23	230
27	0,22	220	0,16	160	0,25	250	0,23	230
28	0,23	230	0,19	190	0,25	250	0,23	230
29	0,23	230	0,19	190	0,26	260	0,23	230
30	0,17	170	0,17	170	0,49	490	0,21	210

31	0,17	170		0,2	200		0,27	270		0,19	190
32	0,18	180		0,12	120		0,21	210		0,21	210
33	0,19	190		0,2	200		0,25	250		0,25	250
34	0,23	230		0,22	220		0,25	250		0,27	270
35	0,23	230		0,24	240		0,25	250		0,28	280
36	0,23	230		0,23	230		0,25	250		0,26	260
37	0,2	200		0,17	170		0,24	240		0,23	230
38	0,16	160		0,2	200		0,24	240		0,24	240
39	0,16	160		0,24	240		0,26	260		0,24	240
40	0,2	200		0,21	210		0,27	270		0,27	270
41	0,2	200		0,21	210		0,29	290		0,25	250
42	0,2	200		0,25	250		0,5	500		0,24	240
43	0,21	210		0,17	170		0,52	520		0,24	240
44	0,22	220		0,22	220		0,28	280		0,16	160
45	0,23	230		0,18	180		0,22	220		0,22	220
46	0,24	240		0,21	210		0,25	250		0,25	250
47	0,25	250		0,22	220		0,25	250		0,24	240
48	0,26	260		0,15	150		0,25	250		0,19	190
49	0,26	260		0,16	160		0,25	250		0,21	210
50	0,19	190		0,17	170		0,27	270		0,24	240
51	0,2	200		0,18	180		0,29	290		0,29	290
52	0,2	200		0,16	160		0,3	300		0,25	250
53	0,21	210		0,17	170		0,25	250		0,24	240
54	0,16	160		0,18	180		0,26	260		0,25	250
55	0,18	180		0,19	190		0,26	260		0,26	260
56	0,19	190		0,16	160		0,29	290		0,21	210
57	0,2	200		0,17	170		0,29	290		0,21	210
58	0,21	210		0,18	180		0,3	300		0,23	230
59	0,21	210		0,17	170		0,25	250		0,26	260
60	0,17	170		0,17	170		0,26	260		0,24	240
61	0,24	240		0,2	200		0,27	270		0,26	260
62	0,27	270		0,21	210		0,28	280		0,26	260
63	0,2	200		0,2	200		0,29	290		0,19	190
64	0,23	230		0,2	200		0,3	300		0,29	290
65	0,25	250		0,21	210		0,26	260		0,22	220
66	0,22	220		0,17	170		0,25	250		0,24	240
67	0,28	280		0,14	140		0,22	220		0,22	220
68	0,19	190		0,16	160		0,25	250		0,19	190
69	0,19	190		0,24	240		0,26	260		0,21	210
70	0,21	210		0,19	190		0,27	270		0,18	180
71	0,21	210		0,2	200		0,27	270		0,24	240

72	0,22	220		0,25	250		0,28	280		0,25	250
73	0,22	220		0,17	170		0,28	280		0,2	200
74	0,23	230		0,2	200		0,29	290		0,23	230
75	0,23	230		0,14	140		0,26	260		0,24	240
76	0,2	200		0,16	160		0,27	270		0,2	200
77	0,26	260		0,16	160		0,28	280		0,25	250
78	0,22	220		0,15	150		0,23	230		0,25	250
79	0,23	230		0,19	190		0,22	220		0,21	210
80	0,24	240		0,21	210		0,3	300		0,23	230
81	0,18	180		0,18	180		0,42	420		0,24	240
82	0,2	200		0,19	190		0,32	320		0,2	200
83	0,18	180		0,21	210		0,35	350		0,24	240
84	0,19	190		0,23	230		0,29	290		0,24	240
85	0,2	200		0,24	240		0,34	340		0,26	260
86	0,19	190		0,16	160		0,26	260		0,28	280
87	0,16	160		0,2	200		0,27	270		0,22	220
88	0,19	190		0,22	220		0,29	290		0,3	300
89	0,25	250		0,25	250		0,27	270		0,3	300
90	0,24	240		0,16	160		0,28	280		0,29	290
91	0,24	240		0,18	180		0,25	250		0,22	220
92	0,24	240		0,19	190		0,27	270		0,25	250
93	0,24	240		0,16	160		0,27	270		0,23	230
94	0,19	190		0,18	180		0,22	220		0,28	280
95	0,2	200		0,18	180		0,3	300		0,22	220
96	0,17	170		0,19	190		0,3	300		0,2	200
97	0,25	250		0,19	190		0,26	260		0,23	230
98	0,29	290		0,17	170		0,22	220		0,22	220
99	0,17	170		0,19	190		0,27	270		0,27	270
100	0,23	230		0,24	240		0,28	280		0,23	230
Total	20,98	20980		19	19000		27,42	27420		23,82	23820
Average	0,2098	209,8		0,19	190		0,2742	274,2		0,2382	238,2

Tabel hasil analisa diameter membrane *nanofiber* PVA/Lendir bekicot

No	Konsentrasi PVA/Lendir bekicot	Diameter (Nm)
1	1%	209,8
2	3%	190
3	5%	274,2
4	7%	238,2

B. Hasil uji viskositas

Tabel hasil uji viskositas

No	Konsentrasi (PVA/Lendir bekicot)	Viskositas (Cp)
1	1%	477,9
2	3%	455,9
3	5%	405,9
4	7%	479,9

C. Hasil uji daya hantar listrik (DHL)

Tabel hasil uji daya hantar listrik (DHL)

No	Konsentrasi PVA/Lendir bekicot	DHL ($\mu\text{S/cm}$)
1	1%	617,67
2	3%	715,67
3	5%	827,33
4	7%	908,33

D. Hasil uji tarik

Tabel nilai kuat tarik membran *nanofiber* PVA/Lendir bekicot

Spesimen	Nilai Kuat Tarik Membran Nanofiber (MPa)			
	PVA/Lendir bekicot			
	1%	3%	5%	7%
A	2,339	5,207	1,880	3,480
B	4,482	8,444	3,087	3,077
C	3,944	6,315	3,010	4,062
D	4,553	3,186	2,380	2,757
E	3,688	9,324	4,824	3,559
Rata-rata	3,801	6,495	3,036	3,387
Standar Deviasi	0,894	2,472	1,114	0,497

Tabel nilai regangan membran *nanofiber* PVA/Lendir bekicot

Spesimen	Nilai Regangan Membran Nanofiber (%)			
	Konsentrasi PVA/Lendir bekicot			
	1%	3%	5%	7%
A	59,806	49,445	87,012	98,089
B	78,428	131,011	80,694	130,548
C	96,156	71,753	56,652	87,715
D	78,427	72,591	40,387	95,935
E	123,253	96,676	117,210	53,841
Rata-rata	87,214	84,295	76,391	93,226
Standar Deviasi	23,898	31,002	29,510	27,411

Tabel nilai modulus elastisitas membran *nanofiber* PVA/Lendir brkicot

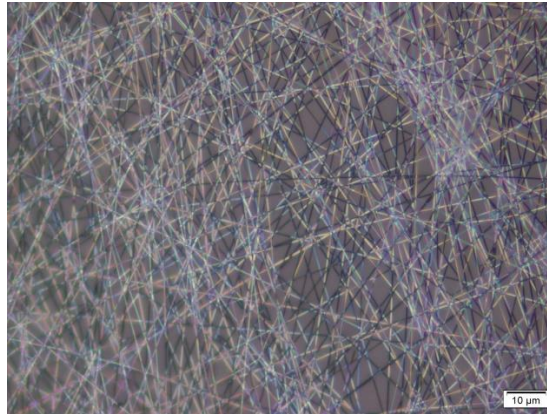
Spesimen	Nilai modulus elastisitas membran <i>nanofiber</i> (Mpa)			
	Konsentrasi PVA/Lendir bekicot			
	1%	3%	5%	7%
A	10,271	31,758	11,225	13,73
B	19,354	29,656	11,466	13,379
C	9,655	29,166	10,886	13,453
D	8,888	30,67	10,666	12,227
E	9,01	33,879	11,342	12,985
Rata-rata	11,4356	31,0258	11,117	13,1548
Standar Deviasi	4,460988937	1,8800711	0,3319834	0,58302847

LAMPIRAN 2

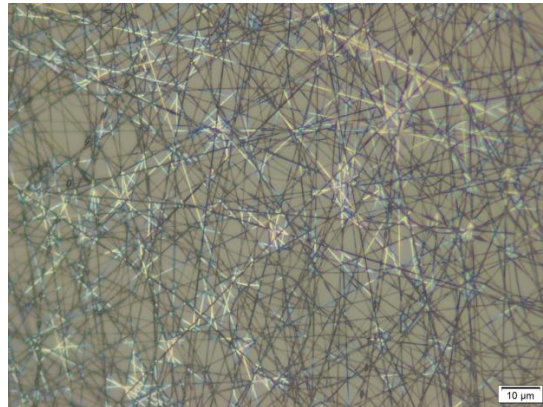
LAMPIRAN 2

Gambar hasil optimasi parameter *electrospinning*

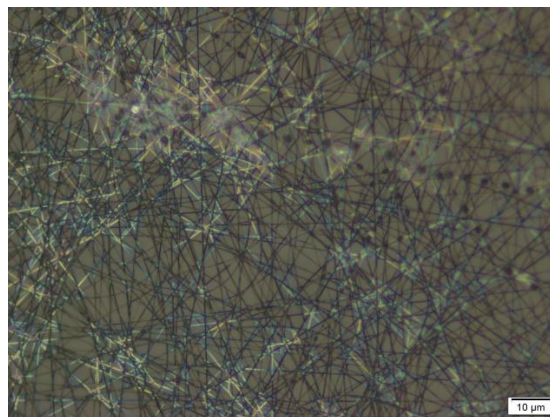
A. Optimasi pada tegangan 15 kV dengan TCD 10 cm



B. Optimasi pada tegangan 15 kV dengan TCD 12 cm



C. Optimasi pada tegangan 15 kV dengan jarak TCD 14 cm

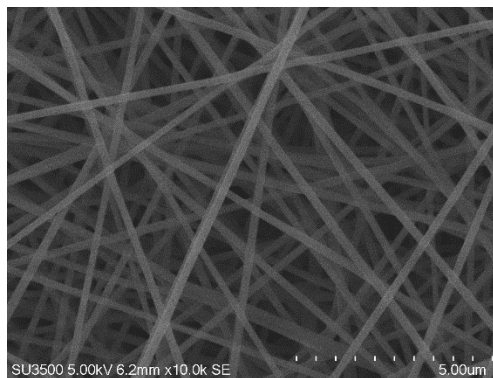
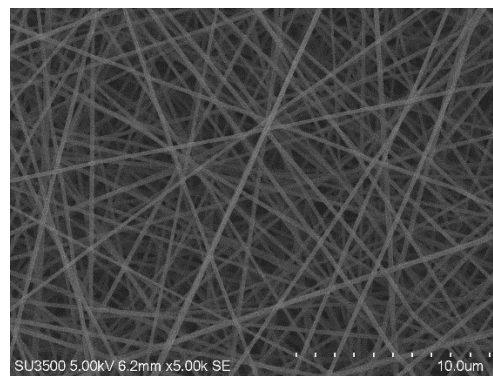
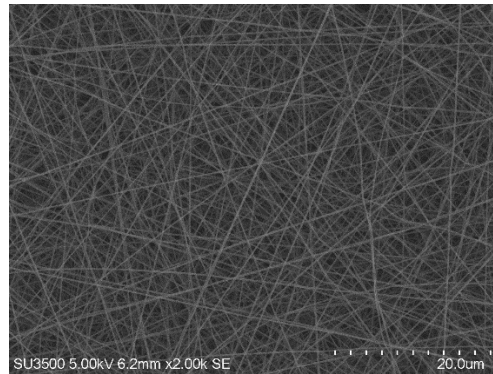


LAMPIRAN 3

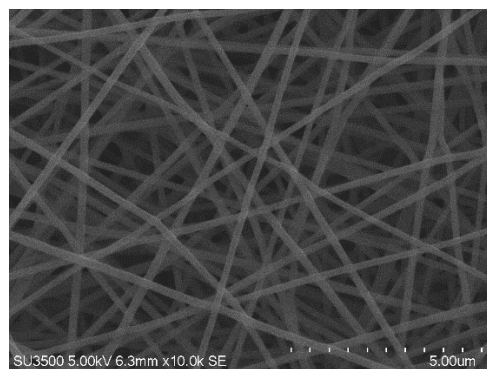
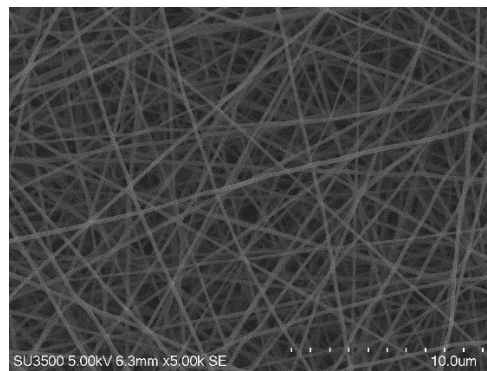
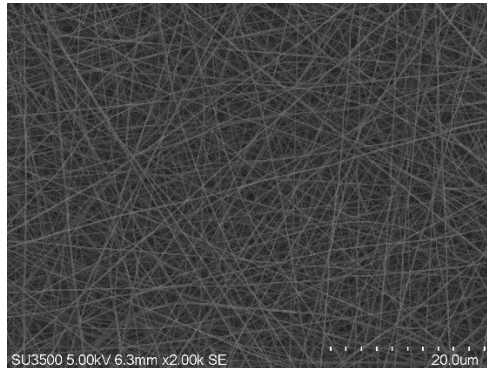
LAMPIRAN 3

Hasil pengamatan *Scanning Electron Microscope* (SEM)

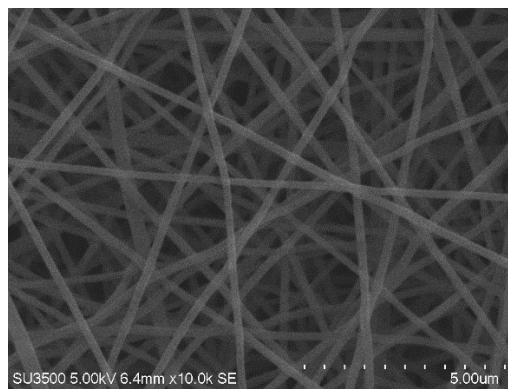
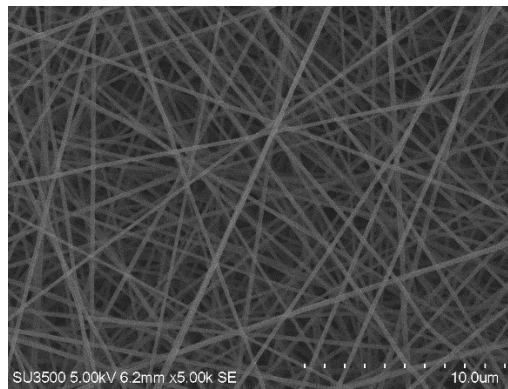
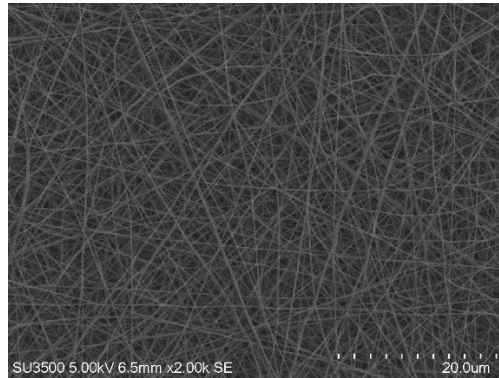
A. Mikrografi membrane *nanofiber* PVA/Lendir bekicot 1%



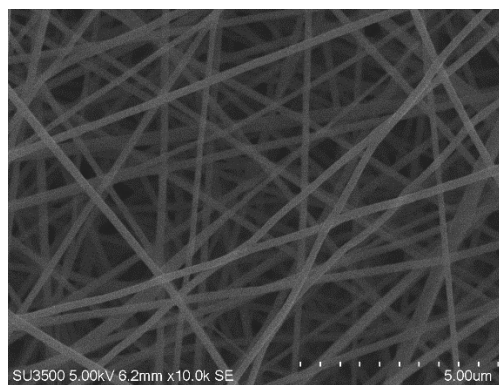
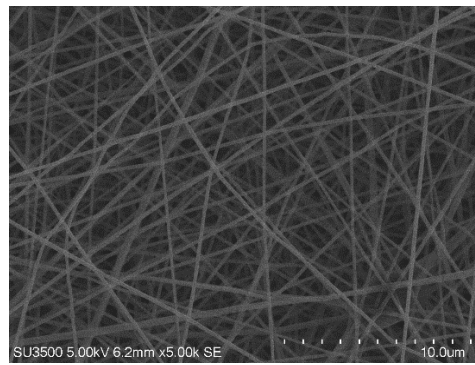
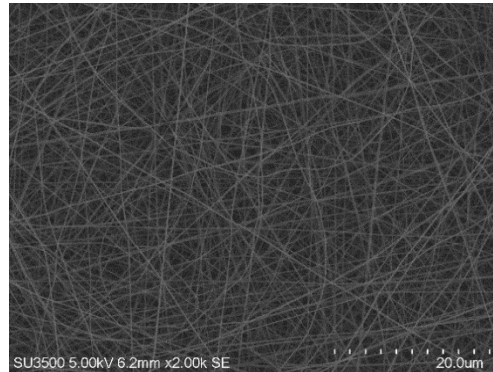
B. Mikrografi membrane *nanofiber* PVA/Lendir bekicot 3%



C. Mikrografi membrane *nanofiber* PVA/Lendir bekicot 5%



A. Mikrografi membrane *nanofiber* PVA/Lendir bekicot 7%



LAMPIRAN 4

LAMPIRAN 4



Laboratorium Uji
TEKNOLOGI PANGAN DAN HASIL PERTANIAN
FAKULTAS TEKNOLOGI PERTANIAN
Universitas Gadjah Mada

Jl. Sosio Yustisia 1, Bulaksumur, Yogyakarta 55281
Telp.0274-549650, 524517, 901311; Fax. 0274-549650

HASIL ANALISA

NO: 653 / PS / 05 / 18


Lab. Penguji : Rekayasa Proses Pengolahan
Tanggal Pengujian : 18 Mei 2018
Sampel : PVA+L.Bekicot
Jenis Analisa : Viskositas
Alat : Viskometer
Merk : Brookfield

No	Sampel	UI 1(cP)	UI 2(cP)
1	PVA+L.Bekicot 1%	477,9	477,9
2	PVA+L.Bekicot 3%	455,9	455,9
3	PVA+L.Bekicot 5%	405,9	405,9
4	PVA+L.Bekicot 7,5%	479,9	479,9

Penyelia
u.g.

Aulia Ardhi, STP, M.Sc.

Dilaporkan oleh

Analisis

Rachmat Teguh S

LAMPIRAN 5

LAMPIRAN 5



UNIVERSITAS GADJAH MADA
LABORATORIUM PENELITIAN DAN PENGUJIAN TERPADU

RDP/5.10.01/LPPT
Rev. 1
Halaman 1 dari 1

LAPORAN HASIL UJI

No. Sertifikat : 01693.01/IX/UN1/LPPT/2018
No. Pengujian : 18080101693

Informasi Customer
Nama : Purna Wijongko
Alamat : Jurusan Teknik Mesin, Fakultas Teknik,
Universitas Muhammadiyah Yogyakarta

Tanggal Penerimaan : 15 Agustus 2018
Tanggal Pengujian : 15 Agustus 2018

Hasil Pengujian

1. PVA Lendir Bekicot (1)

No	Parameter Uji	Hasil	Satuan	Metode
1.	DHL	617,67	$\mu\text{S/cm}$	Konduktometri
2.	Suhu	27,93	$^{\circ}\text{C}$	Konduktometri

2. PVA Lendir Bekicot (2)

No	Parameter Uji	Hasil	Satuan	Metode
1.	DHL	715,67	$\mu\text{S/cm}$	Konduktometri
2.	Suhu	28,60	$^{\circ}\text{C}$	Konduktometri

3. PVA Lendir Bekicot (3)

No	Parameter Uji	Hasil	Satuan	Metode
1.	DHL	827,33	$\mu\text{S/cm}$	Konduktometri
2.	Suhu	28,23	$^{\circ}\text{C}$	Konduktometri

4. PVA Lendir Bekicot (4)

No	Parameter Uji	Hasil	Satuan	Metode
1.	DHL	908,30	$\mu\text{S/cm}$	Konduktometri
2.	Suhu	28,80	$^{\circ}\text{C}$	Konduktometri



Kepala LPPT
Yusril Yusuf, S.Si., M.Si., M.Eng., D.Eng.
NIP.197109201998031002

Yogyakarta, 03 September 2018
Pejabat Penandatanganan Sertifikat,



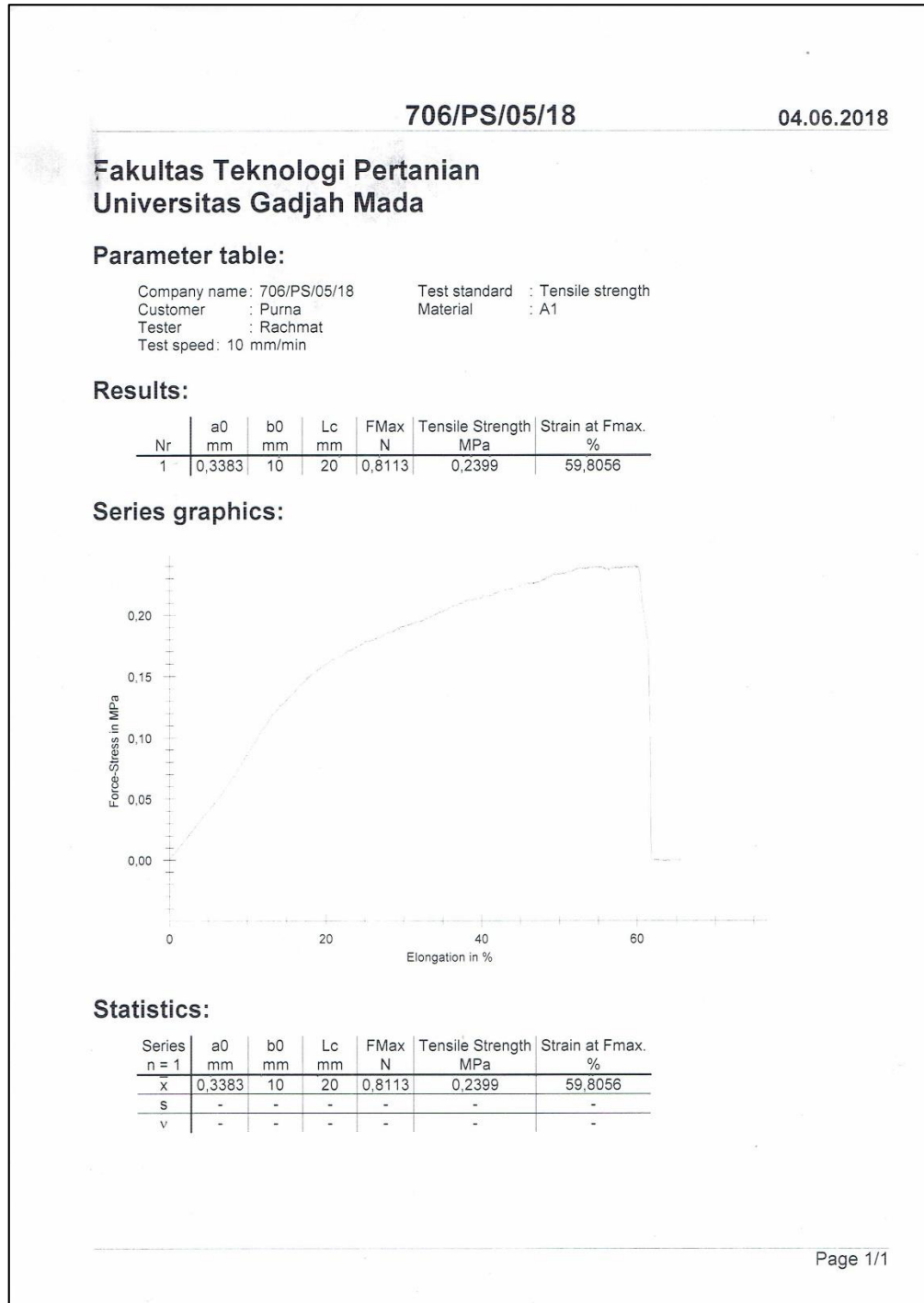
Anom Irawan, ST.
NIP.197310221995121001

Perhatian :
1. LHU ini berlaku hanya pada sampel yang diujikan.
2. LHU ini dibuat semata-mata untuk penggunaan pelanggan yang disebutkan dalam LHU ini.
3. LPPT tidak bertanggung jawab atas setiap kerugian, kerusakan atau tanggung jawab hukum yang diderita oleh pihak ketiga sebagai akibat dari kepercayaan terhadap atau penggunaan laporan ini.

LAMPIRAN 6

LAMPIRAN 6

A. Hasil uji tarik membran *nanofiber* konsentrasi PVA/Lendir bekicot 1%



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Universitas Gadjah Mada**

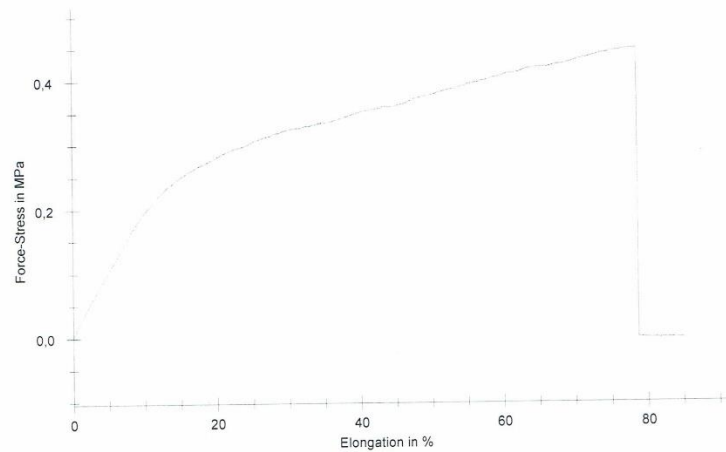
Parameter table:

Company name: 706/PS/05/18 Test standard : Tensile strength
 Customer : Purna Material : A2
 Tester : Rachmat
 Test speed: 10 mm/min

Results:

Nr	a0 mm	b0 mm	Lc mm	FMax N	Tensile Strength MPa	Strain at Fmax. %
2	0,4428	10	20	1,9847	0,4482	78,4278

Series graphics:



Statistics:

Series n = 1	a0 mm	b0 mm	Lc mm	FMax N	Tensile Strength MPa	Strain at Fmax. %
x	0,4428	10	20	1,9847	0,4482	78,4278
s	-	-	-	-	-	-
v	-	-	-	-	-	-

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Universitas Gadjah Mada**

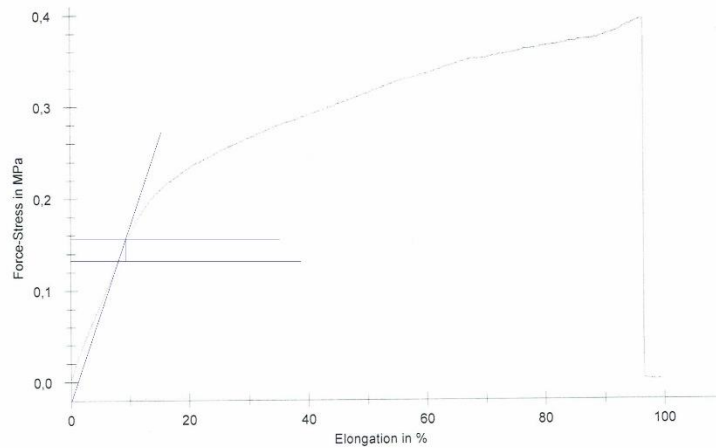
Parameter table:

Company name: 706/PS/05/18 Test standard : Tensile strength
 Customer : Purna Material : A3
 Tester : Rachmat
 Test speed: 10 mm/min

Results:

Nr	a0 mm	b0 mm	Lc mm	FMax N	Tensile Strength MPa	Strain at Fmax. %
3	0,4121	10	20	1,6253	0,3944	96,1563

Series graphics:



Statistics:

Series	a0 mm	b0 mm	Lc mm	FMax N	Tensile Strength MPa	Strain at Fmax. %
n = 1						
x	0,4121	10	20	1,6253	0,3944	96,1563
s	-	-	-	-	-	-
v	-	-	-	-	-	-

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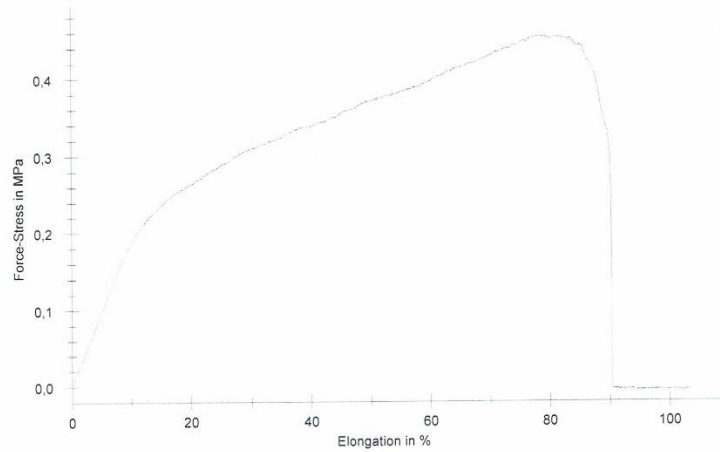
Parameter table:

Company name: 706/PS/05/18 Test standard : Tensile strength
 Customer : Purna Material : A4
 Tester : Rachmat
 Test speed: 10 mm/min

Results:

Nr	a0 mm	b0 mm	Lc mm	FMax N	Tensile Strength MPa	Strain at Fmax. %
4	0,2531	10	20	1,1522	0,4553	78,4267

Series graphics:



Statistics:

Series n = 1	a0 mm	b0 mm	Lc mm	FMax N	Tensile Strength MPa	Strain at Fmax. %
\bar{x}	0,2531	10	20	1,1522	0,4553	78,4267
s	-	-	-	-	-	-
v	-	-	-	-	-	-

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Universitas Gadjah Mada**

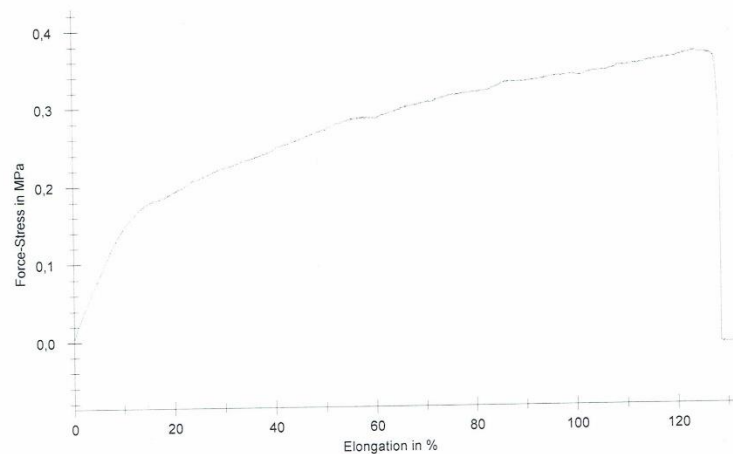
Parameter table:

Company name: 706/PS/05/18 Test standard : Tensile strength
 Customer : Purna Material : A5
 Tester : Rachmat
 Test speed: 10 mm/min

Results:

Nr	a0 mm	b0 mm	Lc mm	FMax N	Tensile Strength MPa	Strain at Fmax. %
5	0,3136	10	20	1,1567	0,3688	123,2531

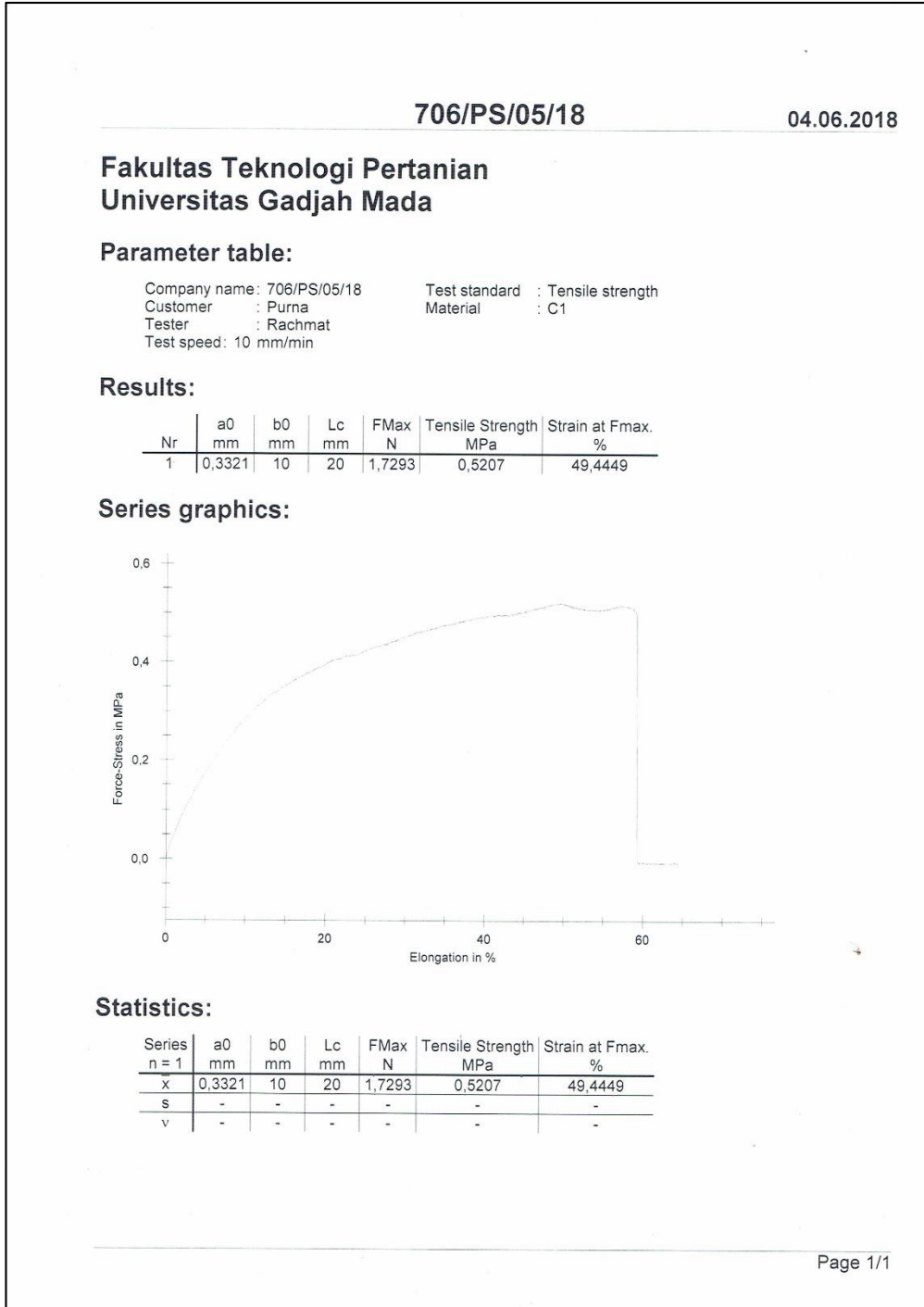
Series graphics:



Statistics:

Series n = 1	a0 mm	b0 mm	Lc mm	FMax N	Tensile Strength MPa	Strain at Fmax. %
x	0,3136	10	20	1,1567	0,3688	123,2531
s	-	-	-	-	-	-
v	-	-	-	-	-	-

B. Hasil uji tarik membran *nanofiber* konsentrasi PVA/Lendir bekicot 3%



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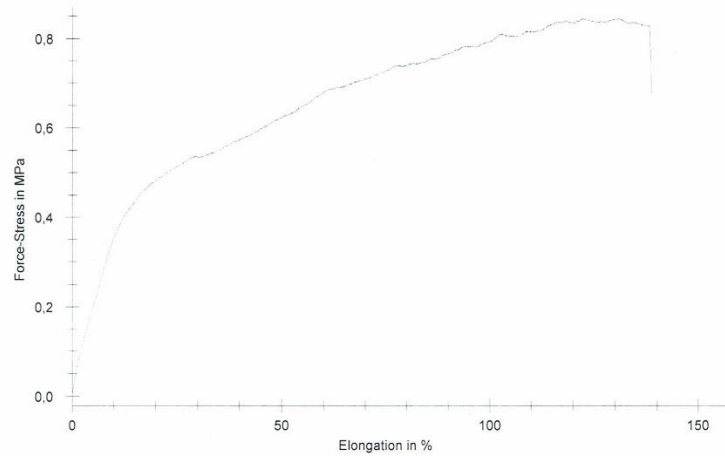
Parameter table:

Company name: 706/PS/05/18 Test standard : Tensile strength
 Customer : Purna Material : C2
 Tester : Rachmat
 Test speed: 10 mm/min

Results:

Nr	a0 mm	b0 mm	Lc mm	FMax N	Tensile Strength MPa	Strain at Fmax. %
2	0,3936	10	20	3,3237	0,8444	131,0106

Series graphics:



Statistics:

Series n = 1	a0 mm	b0 mm	Lc mm	FMax N	Tensile Strength MPa	Strain at Fmax. %
x	0,3936	10	20	3,3237	0,8444	131,0106
s	-	-	-	-	-	-
v	-	-	-	-	-	-

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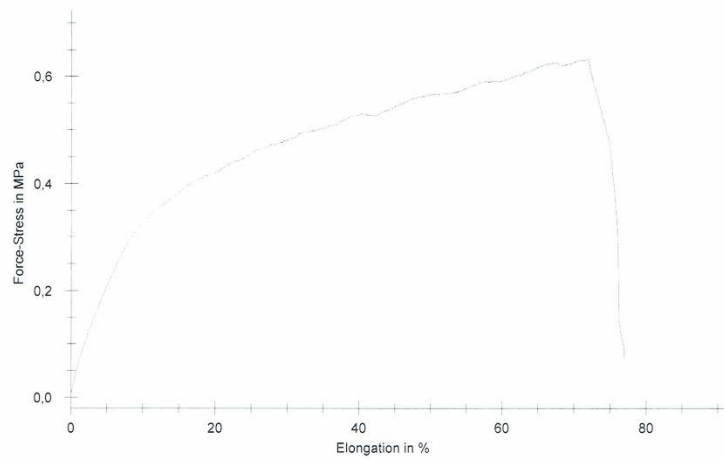
Parameter table:

Company name: 706/PS/05/18 Test standard : Tensile strength
 Customer : Purna Material : C3
 Tester : Rachmat
 Test speed: 10 mm/min

Results:

Nr	a0 mm	b0 mm	Lc mm	FMax N	Tensile Strength MPa	Strain at Fmax. %
3	0,3627	10	20	2,2904	0,6315	71,7533

Series graphics:



Statistics:

Series n = 1	a0 mm	b0 mm	Lc mm	FMax N	Tensile Strength MPa	Strain at Fmax. %
\bar{x}	0,3627	10	20	2,2904	0,6315	71,7533
s	-	-	-	-	-	-
v	-	-	-	-	-	-

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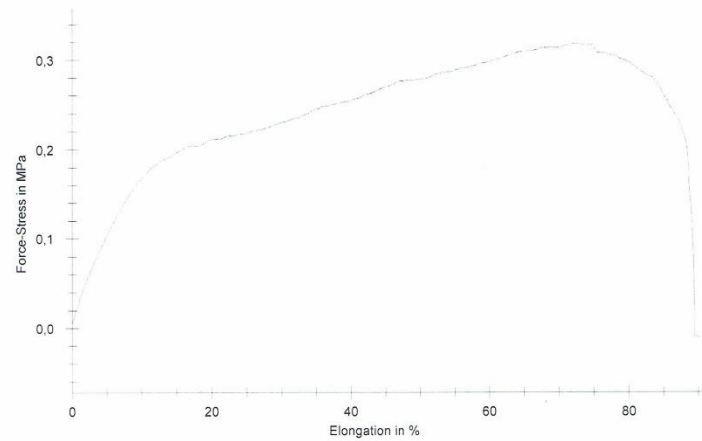
Parameter table:

Company name: 706/PS/05/18 Test standard : Tensile strength
 Customer : Purna Material : C4
 Tester : Rachmat
 Test speed: 10 mm/min

Results:

Nr	a0 mm	b0 mm	Lc mm	FMax N	Tensile Strength MPa	Strain at Fmax. %
4	0,3995	10	20	1,2729	0,3186	72,5905

Series graphics:



Statistics:

Series n = 1	a0 mm	b0 mm	Lc mm	FMax N	Tensile Strength MPa	Strain at Fmax. %
x	0,3995	10	20	1,2729	0,3186	72,5905
s	-	-	-	-	-	-
v	-	-	-	-	-	-

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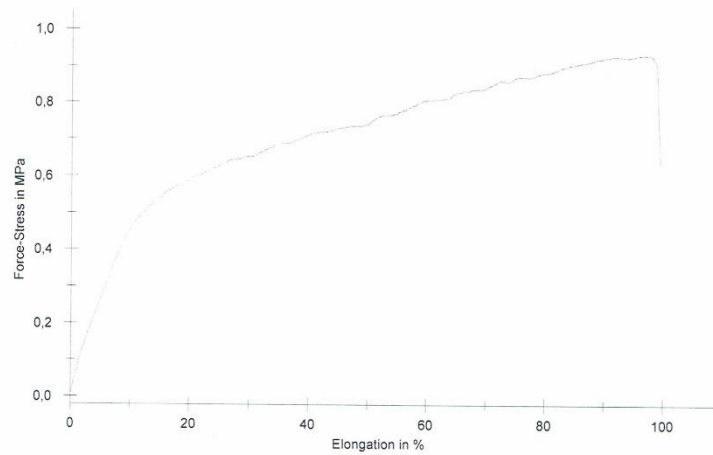
Parameter table:

Company name: 706/PS/05/18 Test standard : Tensile strength
 Customer : Purna Material : C5
 Tester : Rachmat
 Test speed: 10 mm/min

Results:

Nr	a0 mm	b0 mm	Lc mm	FMax N	Tensile Strength MPa	Strain at Fmax. %
5	0,3645	10	20	3,3986	0,9324	96,6763

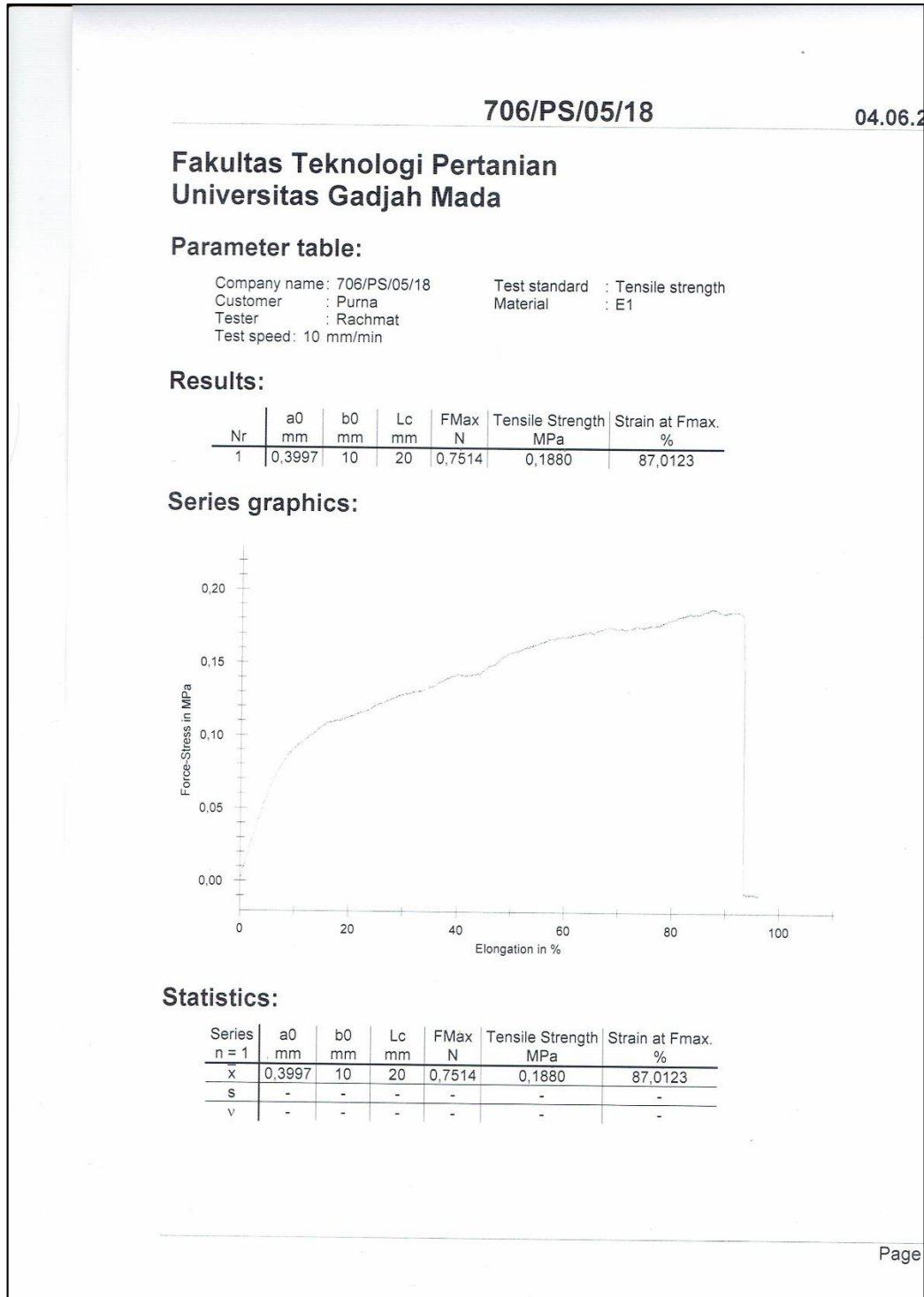
Series graphics:



Statistics:

Series n = 1	a0 mm	b0 mm	Lc mm	FMax N	Tensile Strength MPa	Strain at Fmax. %
\bar{x}	0,3645	10	20	3,3986	0,9324	96,6763
s	-	-	-	-	-	-
v	-	-	-	-	-	-

C. Hasil uji tarik membran *nanofiber* konsentrasi PVA/Lendir bekicot 5%



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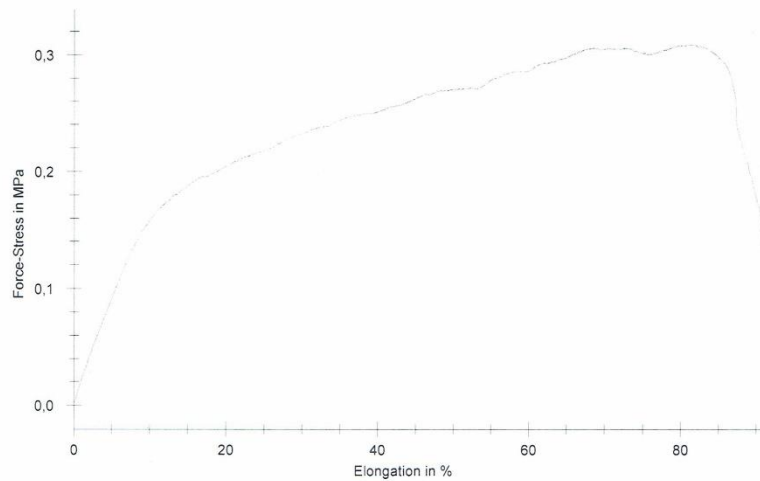
Parameter table:

Company name: 706/PS/05/18 Test standard : Tensile strength
 Customer : Purna Material : E2
 Tester : Rachmat
 Test speed: 10 mm/min

Results:

Nr	a0 mm	b0 mm	Lc mm	FMax N	Tensile Strength MPa	Strain at Fmax. %
3	0,4674	10	20	1,4430	0,3087	80,6935

Series graphics:



Statistics:

Series n = 1	a0 mm	b0 mm	Lc mm	FMax N	Tensile Strength MPa	Strain at Fmax. %
X	0,4674	10	20	1,4430	0,3087	80,6935
S	-	-	-	-	-	-
v	-	-	-	-	-	-

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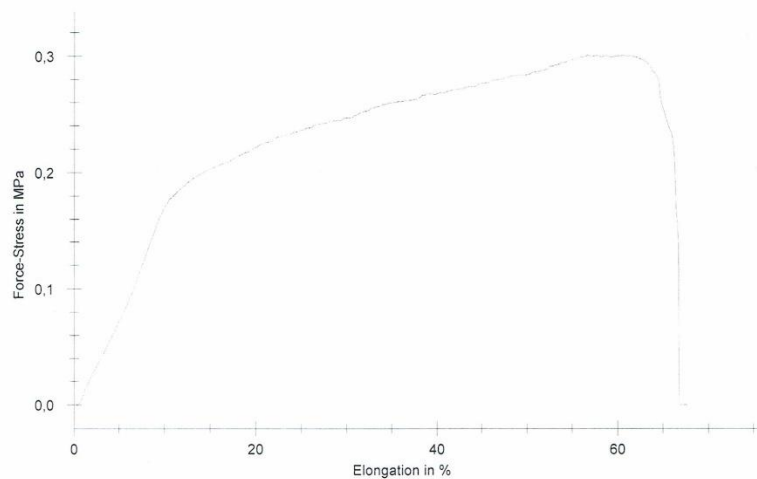
Parameter table:

Company name: 706/PS/05/18 Test standard : Tensile strength
 Customer : Purna Material : E3
 Tester : Rachmat
 Test speed: 10 mm/min

Results:

Nr	a0 mm	b0 mm	Lc mm	FMax N	Tensile Strength MPa	Strain at Fmax. %
5	0,5227	10	20	1,5733	0,3010	56,6518

Series graphics:



Statistics:

Series n = 1	a0 mm	b0 mm	Lc mm	FMax N	Tensile Strength MPa	Strain at Fmax. %
\bar{x}	0,5227	10	20	1,5733	0,3010	56,6518
s	-	-	-	-	-	-
v	-	-	-	-	-	-

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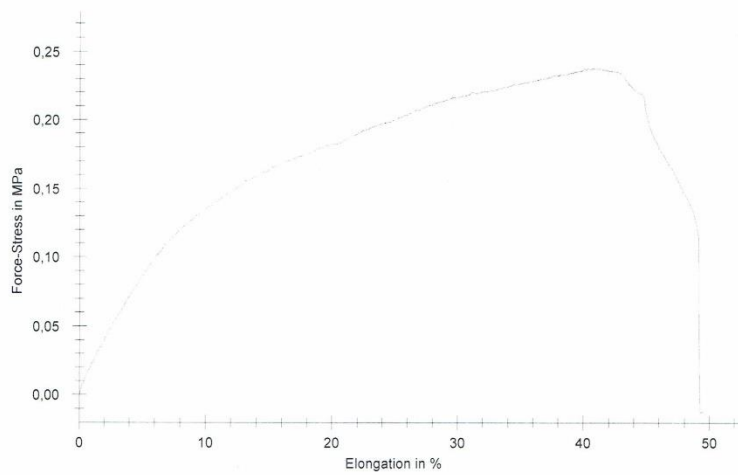
Parameter table:

Company name: 706/PS/05/18 Test standard : Tensile strength
 Customer : Purna Material : E4
 Tester : Rachmat
 Test speed: 10 mm/min

Results:

Nr	a0 mm	b0 mm	Lc mm	FMax N	Tensile Strength MPa	Strain at Fmax. %
7	0,4797	10	20	1,1417	0,2380	40,3869

Series graphics:



Statistics:

Series n = 1	a0 mm	b0 mm	Lc mm	FMax N	Tensile Strength MPa	Strain at Fmax. %
x	0,4797	10	20	1,1417	0,2380	40,3869
s	-	-	-	-	-	-
v	-	-	-	-	-	-

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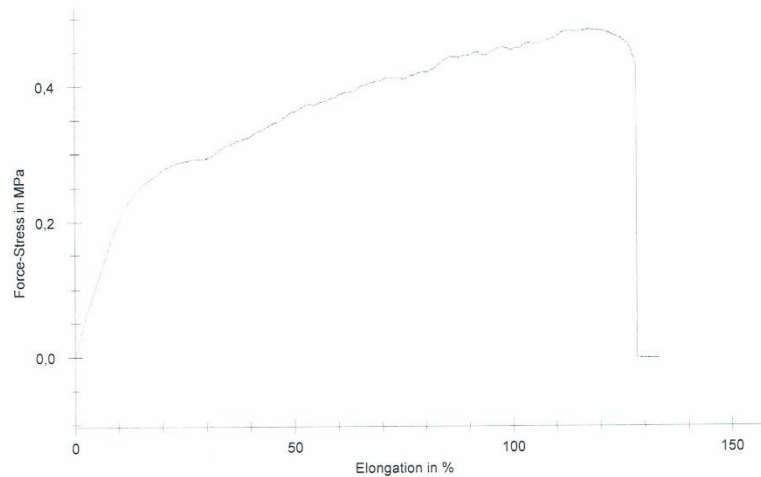
Parameter table:

Company name: 706/PS/05/18 Test standard : Tensile strength
 Customer : Purna Material : E5
 Tester : Rachmat
 Test speed: 10 mm/min

Results:

Nr	a0 mm	b0 mm	Lc mm	FMax N	Tensile Strength MPa	Strain at Fmax. %
8	0,4182	10	20	2,0173	0,4824	117,2096

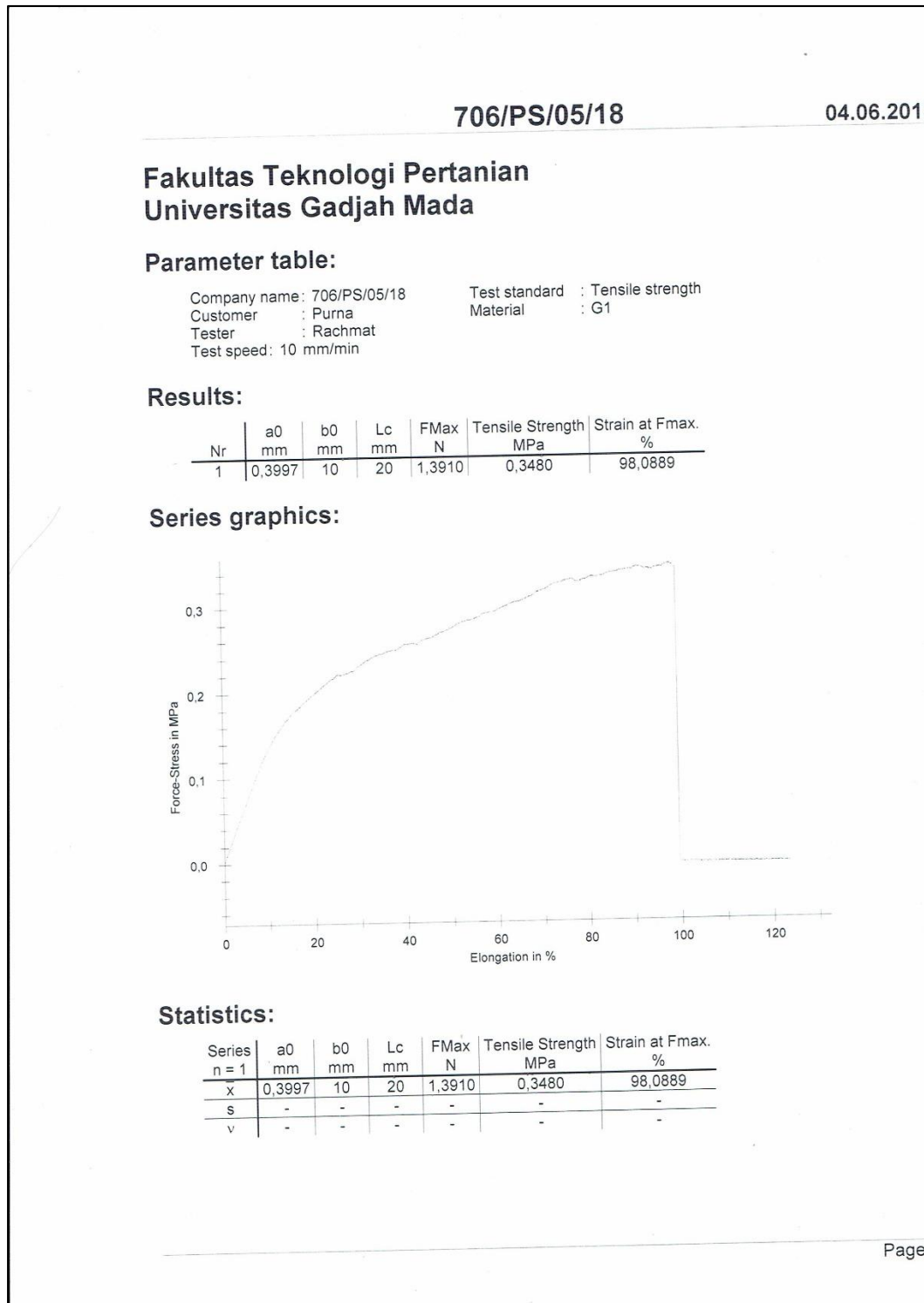
Series graphics:



Statistics:

Series n = 1	a0 mm	b0 mm	Lc mm	FMax N	Tensile Strength MPa	Strain at Fmax. %
x	0,4182	10	20	2,0173	0,4824	117,2096
s	-	-	-	-	-	-
v	-	-	-	-	-	-

D. Hasil uji tarik membran *nanofiber* konsentrasi PVA/Lendir bekicot 7%



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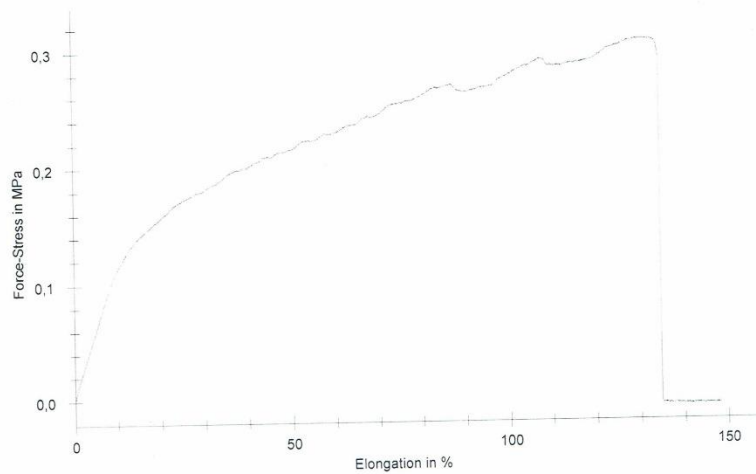
Parameter table:

Company name: 706/PS/05/18 Test standard : Tensile strength
 Customer : Purna Material : G2
 Tester : Rachmat
 Test speed: 10 mm/min

Results:

Nr	a0 mm	b0 mm	Lc mm	FMax N	Tensile Strength MPa	Strain at Fmax. %
2	0,4366	10	20	1,3434	0,3077	130,5484

Series graphics:



Statistics:

Series n = 1	a0 mm	b0 mm	Lc mm	FMax N	Tensile Strength MPa	Strain at Fmax. %
x	0,4366	10	20	1,3434	0,3077	130,5484
s	-	-	-	-	-	-
v	-	-	-	-	-	-

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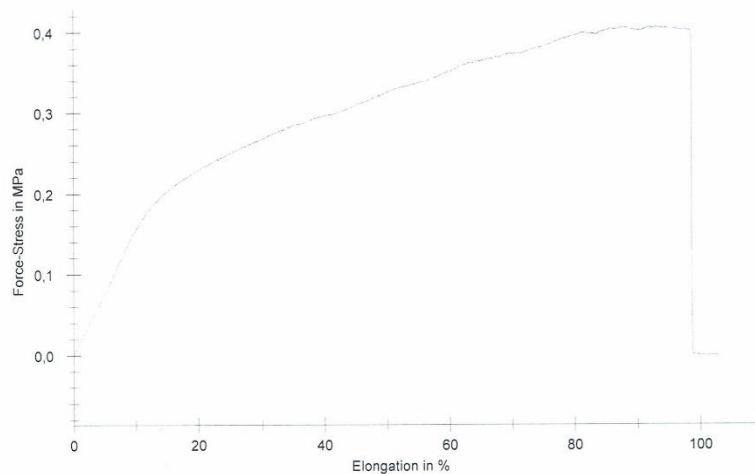
Parameter table:

Company name: 706/PS/05/18 Test standard : Tensile strength
 Customer : Purna Material : G3
 Tester : Rachmat
 Test speed: 10 mm/min

Results:

Nr	a0 mm	b0 mm	Lc mm	FMax N	Tensile Strength MPa	Strain at Fmax. %
3	0,449	10	20	1,8235	0,4062	87,7146

Series graphics:



Statistics:

Series n = 1	a0 mm	b0 mm	Lc mm	FMax N	Tensile Strength MPa	Strain at Fmax. %
x	0,449	10	20	1,8235	0,4062	87,7146
s	-	-	-	-	-	-
v	-	-	-	-	-	-

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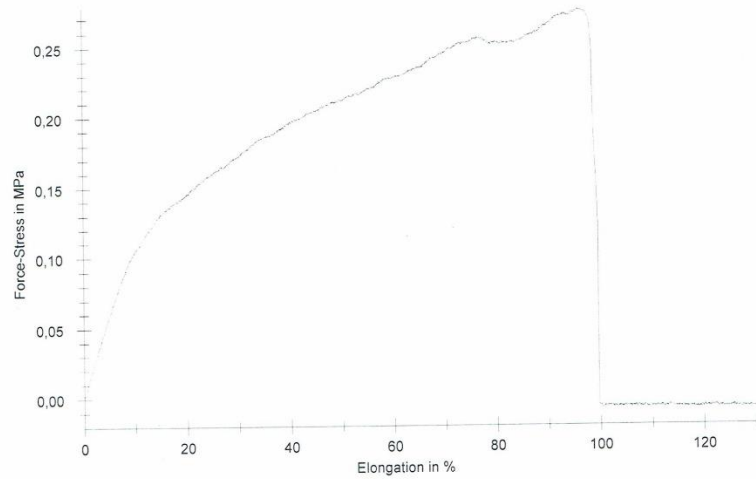
Parameter table:

Company name: 706/PS/05/18 Test standard : Tensile strength
 Customer : Purna Material : G4
 Tester : Rachmat
 Test speed: 10 mm/min

Results:

Nr	a0 mm	b0 mm	Lc mm	FMax N	Tensile Strength MPa	Strain at Fmax. %
4	0,2952	10	20	0,8140	0,2757	95,9354

Series graphics:



Statistics:

Series	a0 mm	b0 mm	Lc mm	FMax N	Tensile Strength MPa	Strain at Fmax. %
n = 1						
x	0,2952	10	20	0,8140	0,2757	95,9354
s	-	-	-	-	-	-
v	-	-	-	-	-	-

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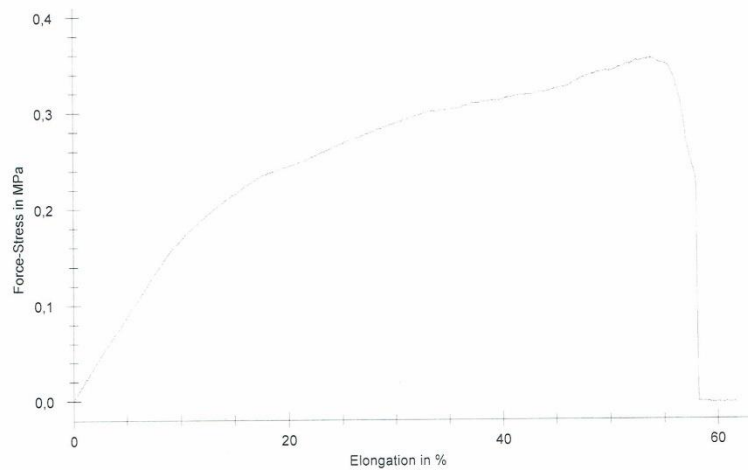
Parameter table:

Company name: 706/PS/05/18 Test standard : Tensile strength
 Customer : Purna Material : G5
 Tester : Rachmat
 Test speed: 10 mm/min

Results:

Nr	a0 mm	b0 mm	Lc mm	FMax N	Tensile Strength MPa	Strain at Fmax. %
5	0,3381	10	20	1,2033	0,3559	53,8413

Series graphics:



Statistics:

Series n = 1	a0 mm	b0 mm	Lc mm	FMax N	Tensile Strength MPa	Strain at Fmax. %
\bar{x}	0,3381	10	20	1,2033	0,3559	53,8413
s	-	-	-	-	-	-
v	-	-	-	-	-	-