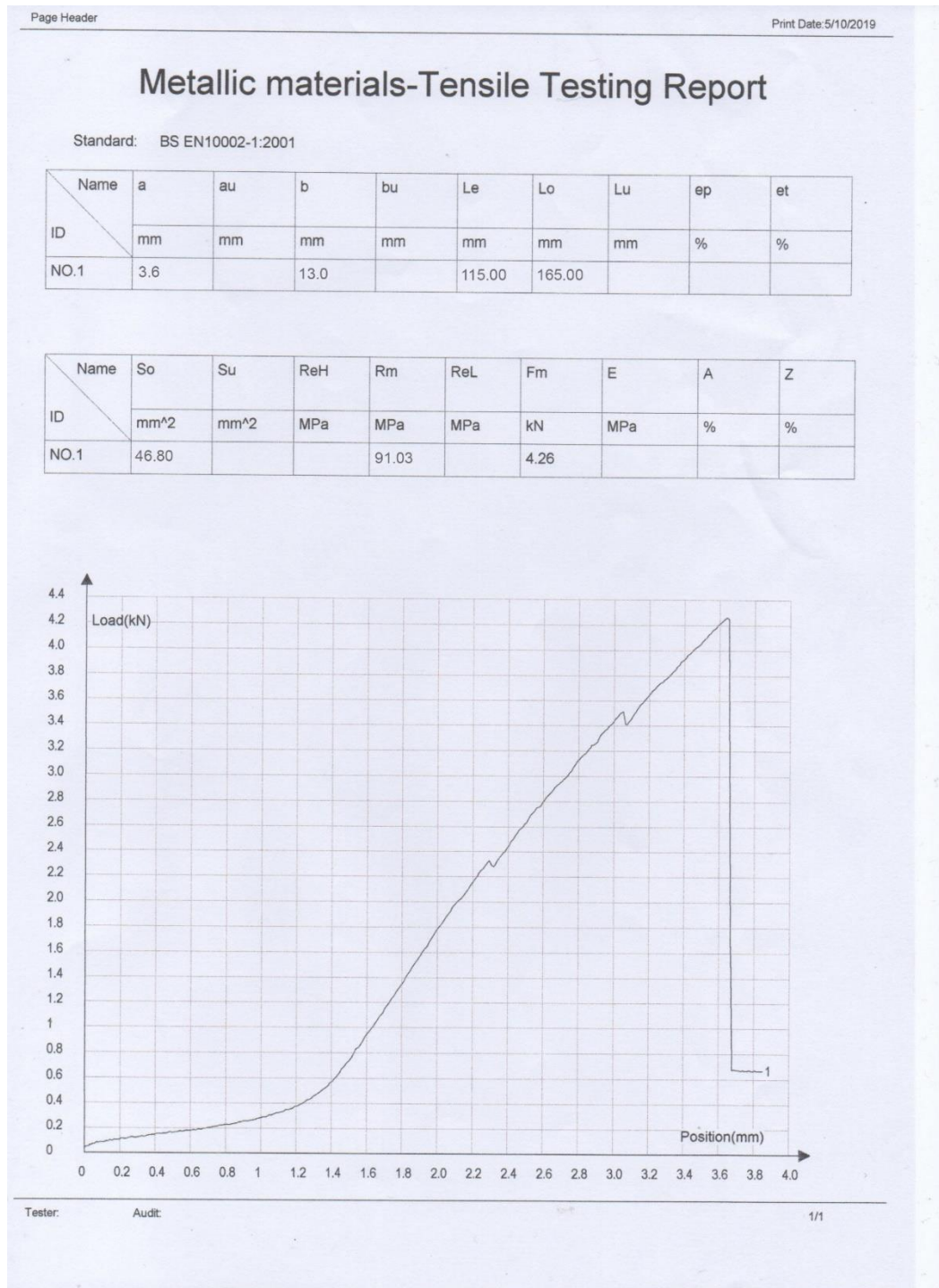


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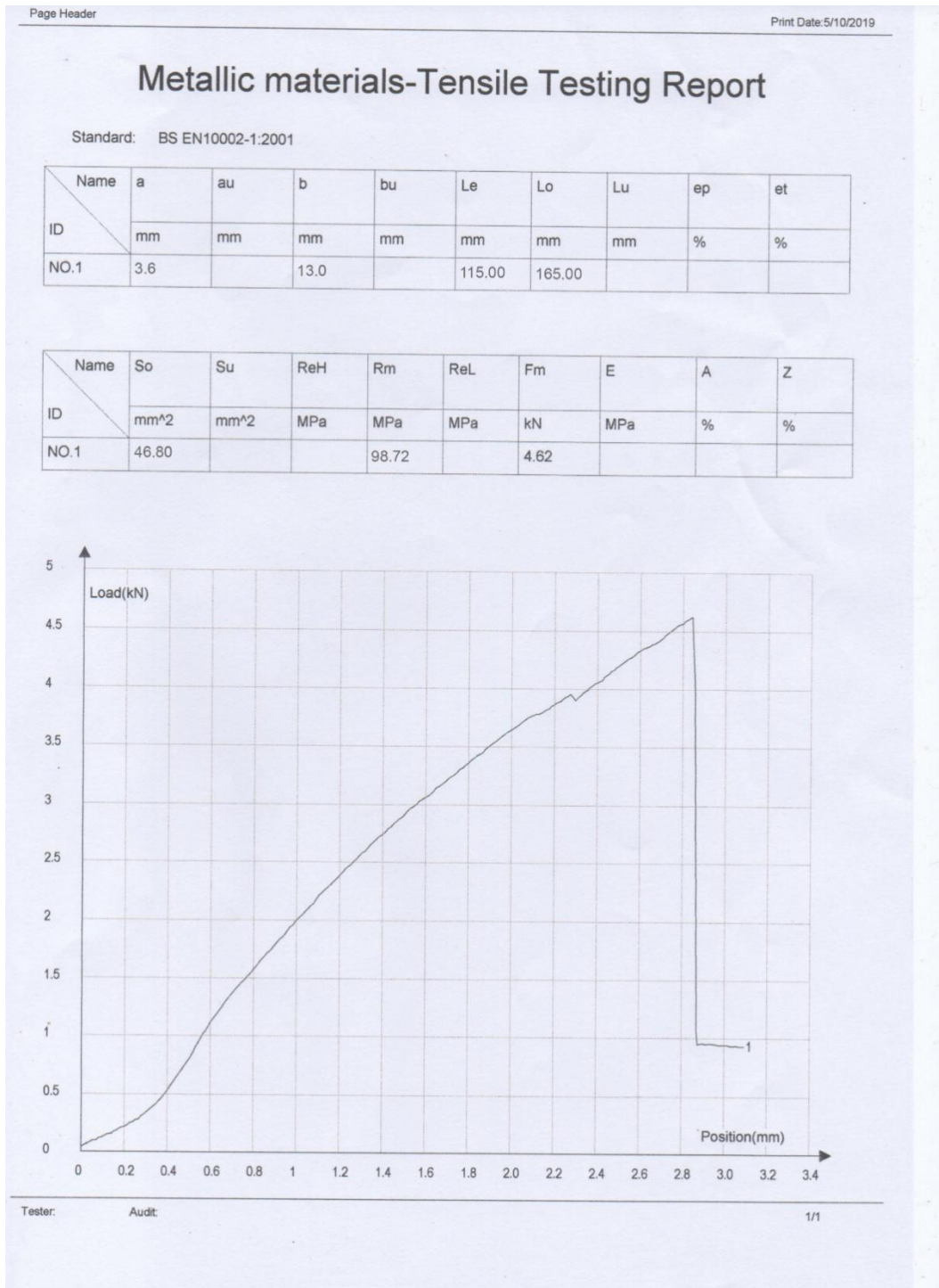
Tabel 1. Hasil Perhitungan Komposit Hibrid *Abaca*/Karbon/PMMA 15%

No	d (mm)	b (mm)	Beban (N)	ΔL (mm)	Mod.Elast (MPa)	Teg. Tarik (Mpa)	Elongation (%)
1	3.6	13.0	4260	2.68	5604.19	91.03	1.62
2	3.6	13.0	4620	2.68	6077.78	98.72	1.62
3	3.6	13.0	4880	2.64	6517.09	104.27	1.60
4	3.6	13.0	4830	2.66	6401.82	103.21	1.61
5	3.5	13.0	4310	2.40	6512.36	94.73	1.45
Min					5604.19	91.03	1.45
Max					6517.09	104.27	1.62
Rata-Rata					6176.36	98.18	1.57
Standar Deviasi					227.77	6.02	0.07

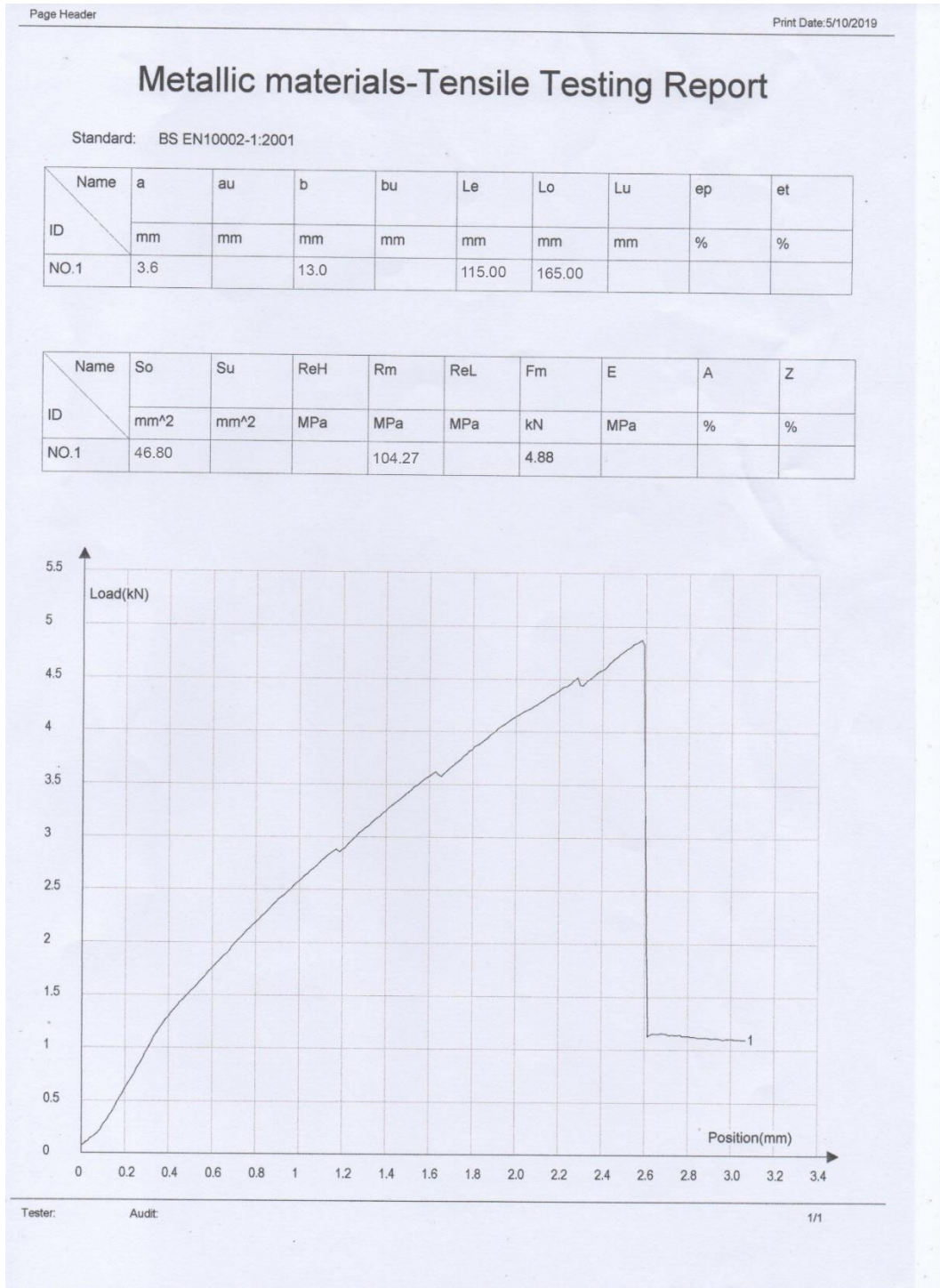
Grafik 1. Pengujian Tarik Komposit Hibrid *Abaca*/Karbon/PMMA 15%



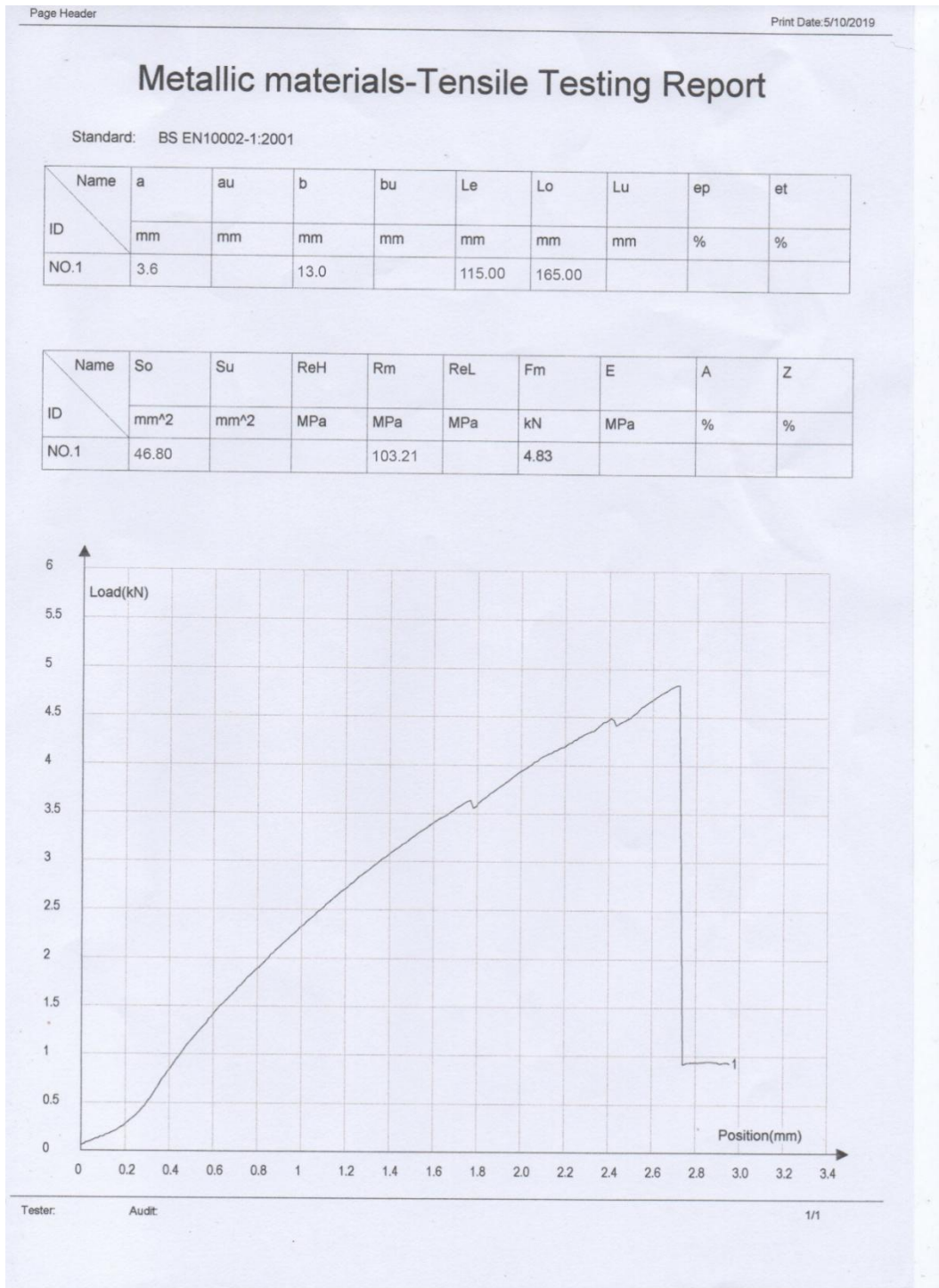
Grafik 2. Pengujian Tarik Komposit Hibrid *Abaca*/Karbon/PMMA 15%



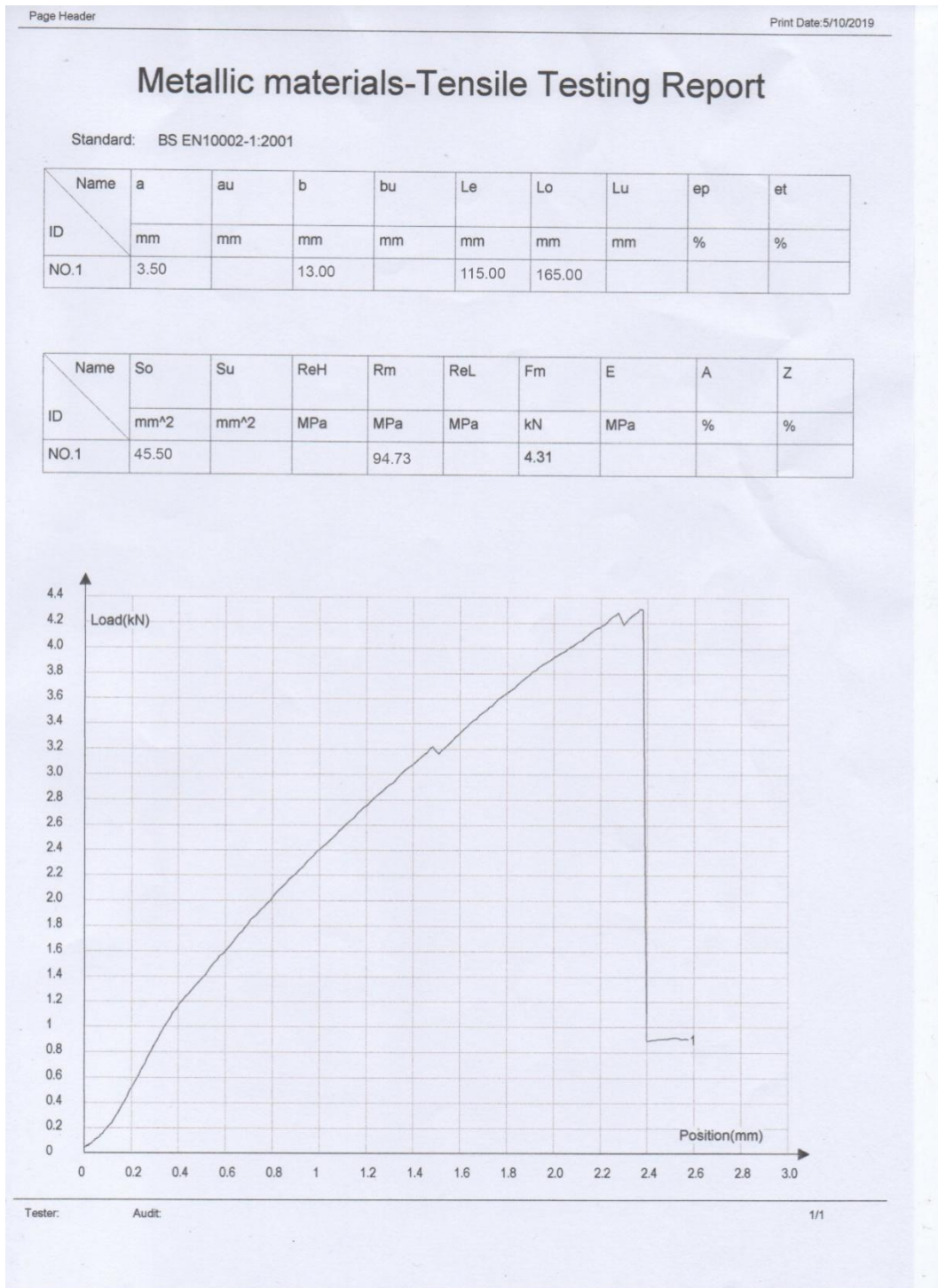
Grafik 3. Pengujian Tarik Komposit Hibrid *Abaca*/Karbon/PMMA 15%



Grafik 4. Pengujian Tarik Komposit Hibrid *Abaca*/Karbon/PMMA 15%



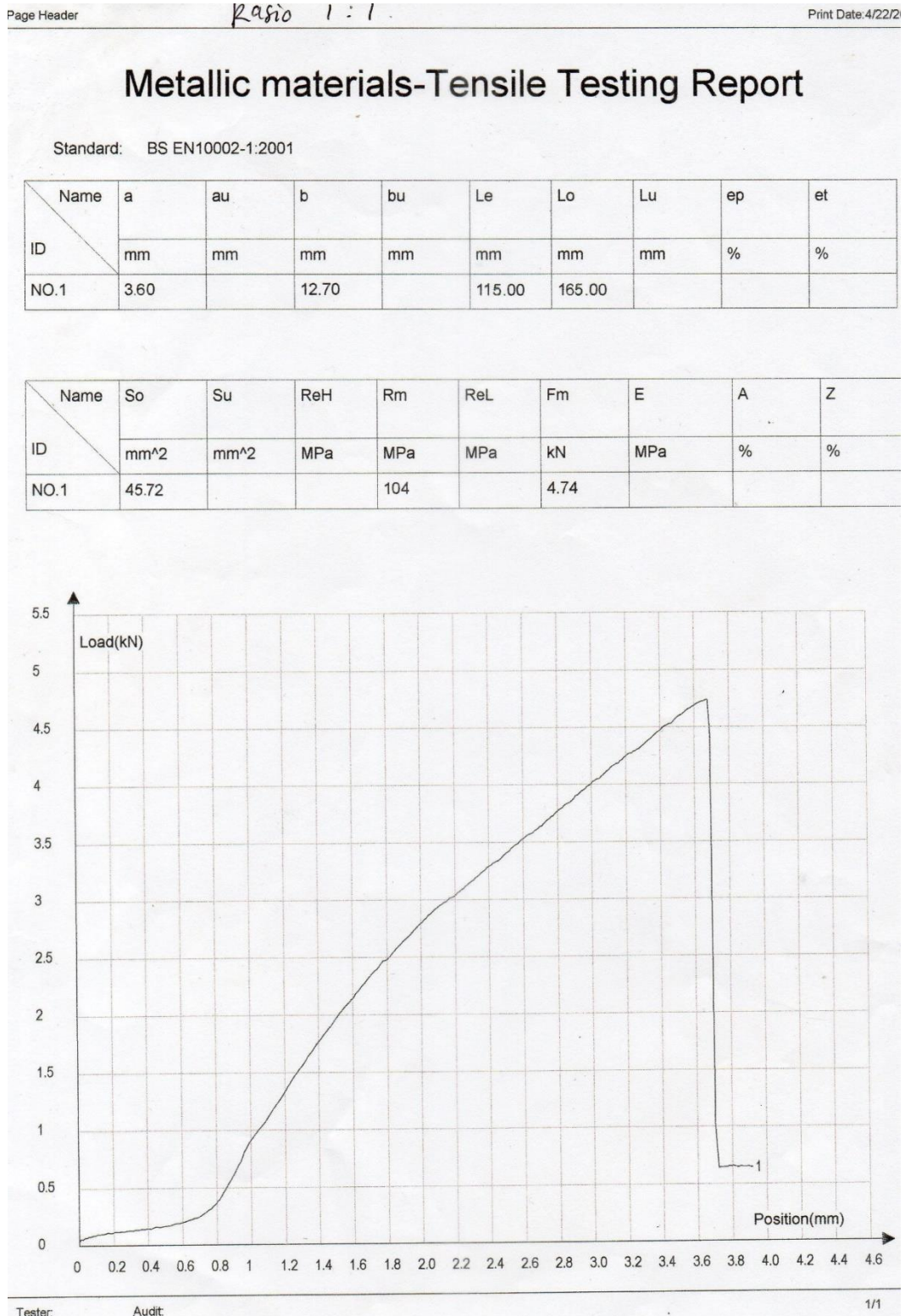
Grafik 5. Pengujian Tarik Komposit Hibrid *Abaca*/Karbon/PMMA 15%



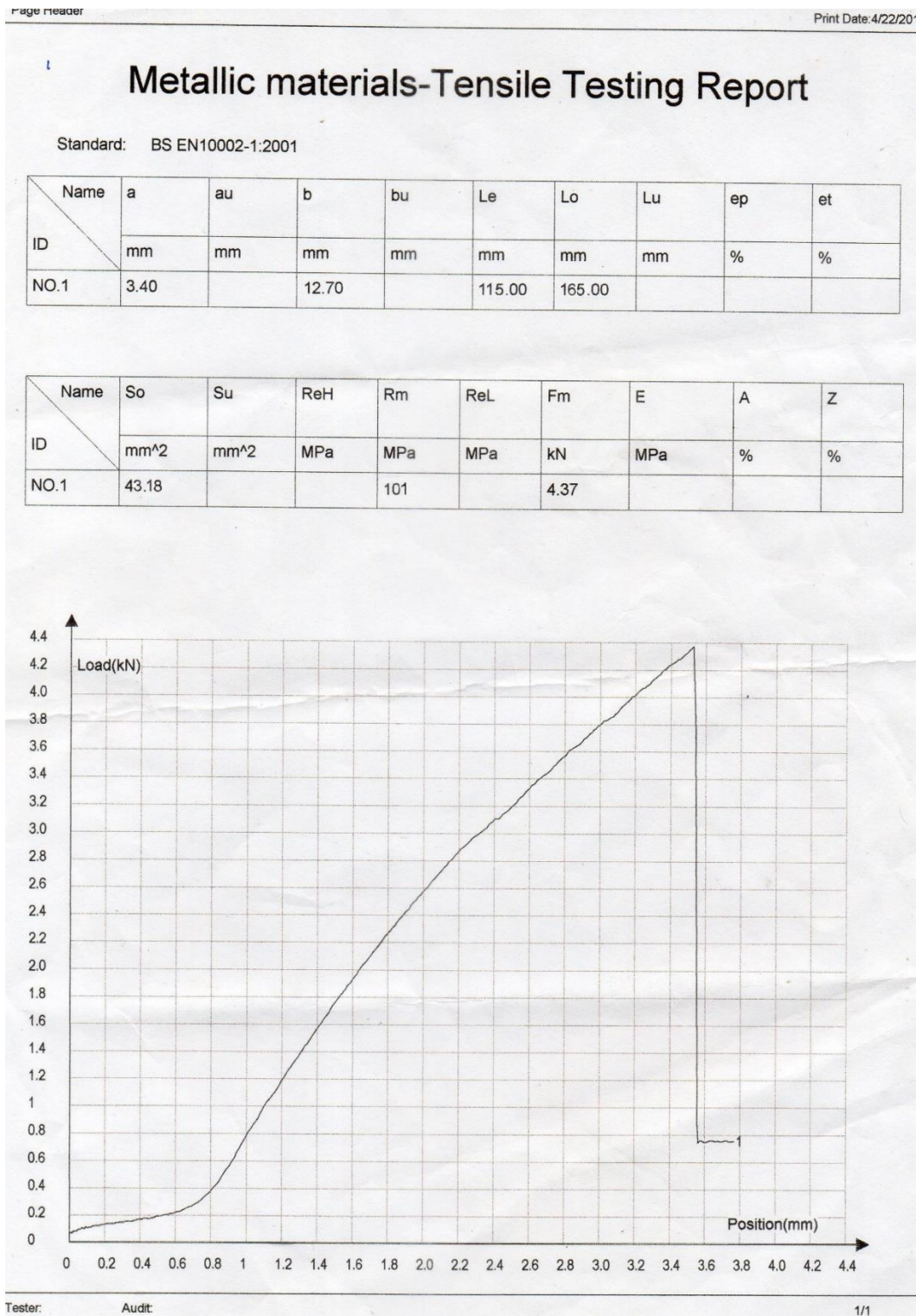
Tabel 2. Hasil Perhitungan Komposit Hibrid *Abaca*/Karbon/PMMA 20%

No	d (mm)	b (mm)	Beban (N)	ΔL (mm)	Mod.Elast (MPa)	Teg. Tarik (Mpa)	Elongation (%)
1	3.6	12.7	4740	3.10	5518.16	103.67	1.88
2	3.4	12.7	4370	2.85	5859.19	101.20	1.73
3	3.5	12.7	4240	2.60	6053.47	95.39	1.58
4	3.3	12.7	4210	2.88	5755.14	100.45	1.75
5	3.2	12.7	4160	2.72	6209.47	102.36	1.65
Min					5518.16	95.39	1.58
Max					6209.47	103.67	1.88
Rata-Rata					5874.72	100.31	1.72
Standar Deviasi					267.20	3.17	0.13

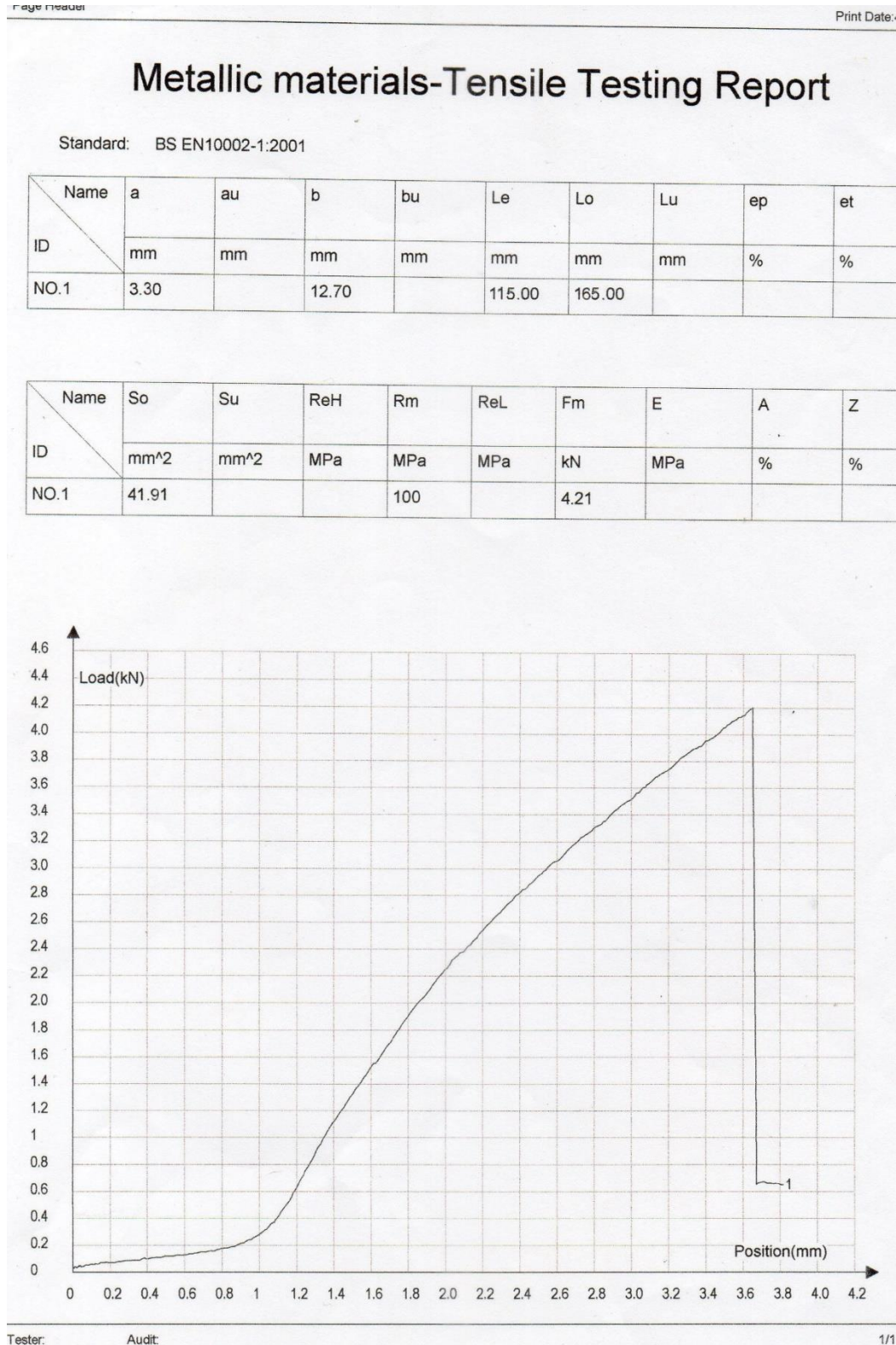
Grafik 1. Pengujian Tarik Komposit Hibrid *Abaca*/Karbon/PMMA 20%



Grafik 2. Pengujian Tarik Komposit Hibrid *Abaca*/Karbon/PMMA 20%



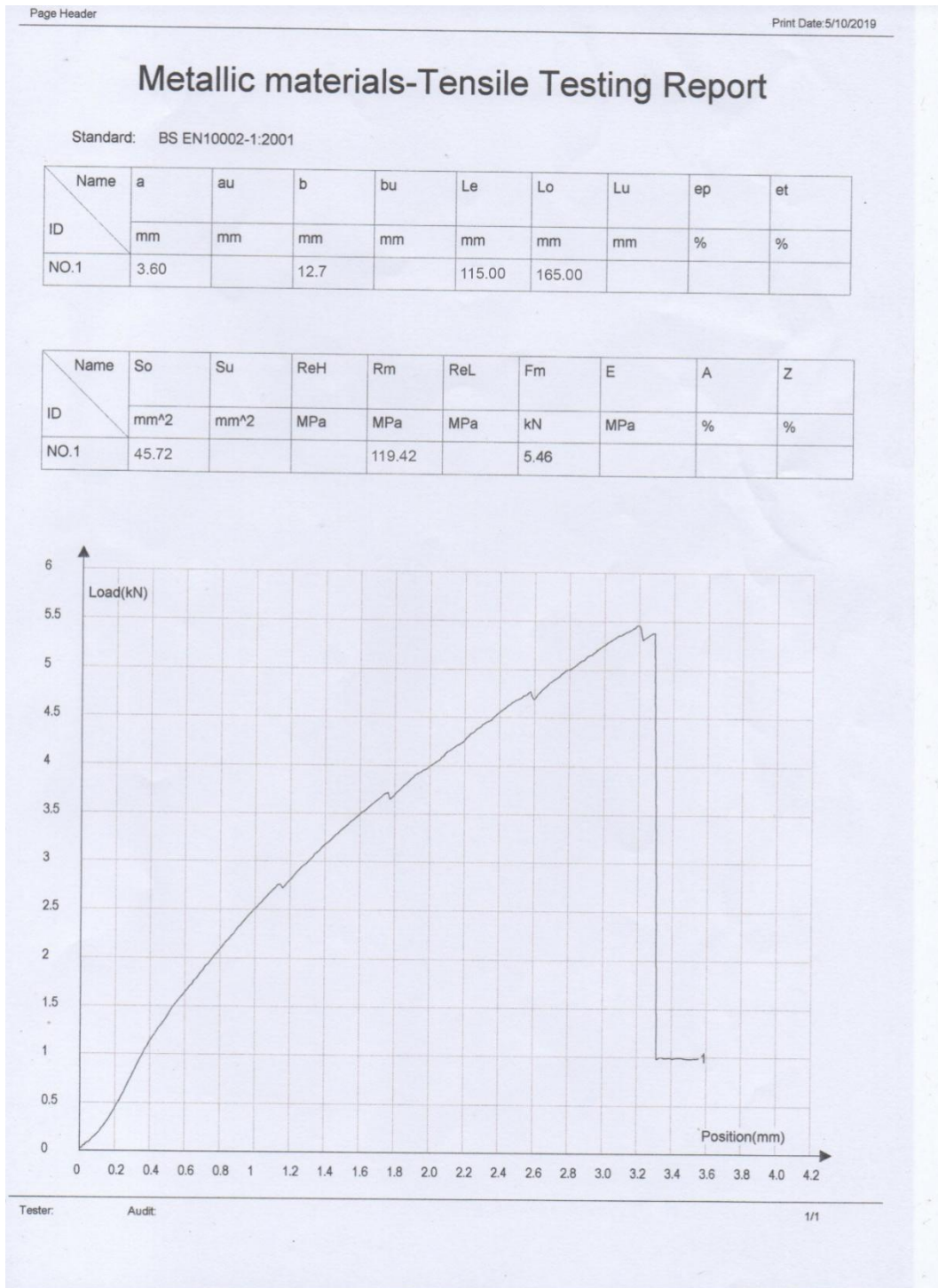
Grafik 4. Pengujian Tarik Komposit Hibrid *Abaca*/Karbon/PMMA 20%



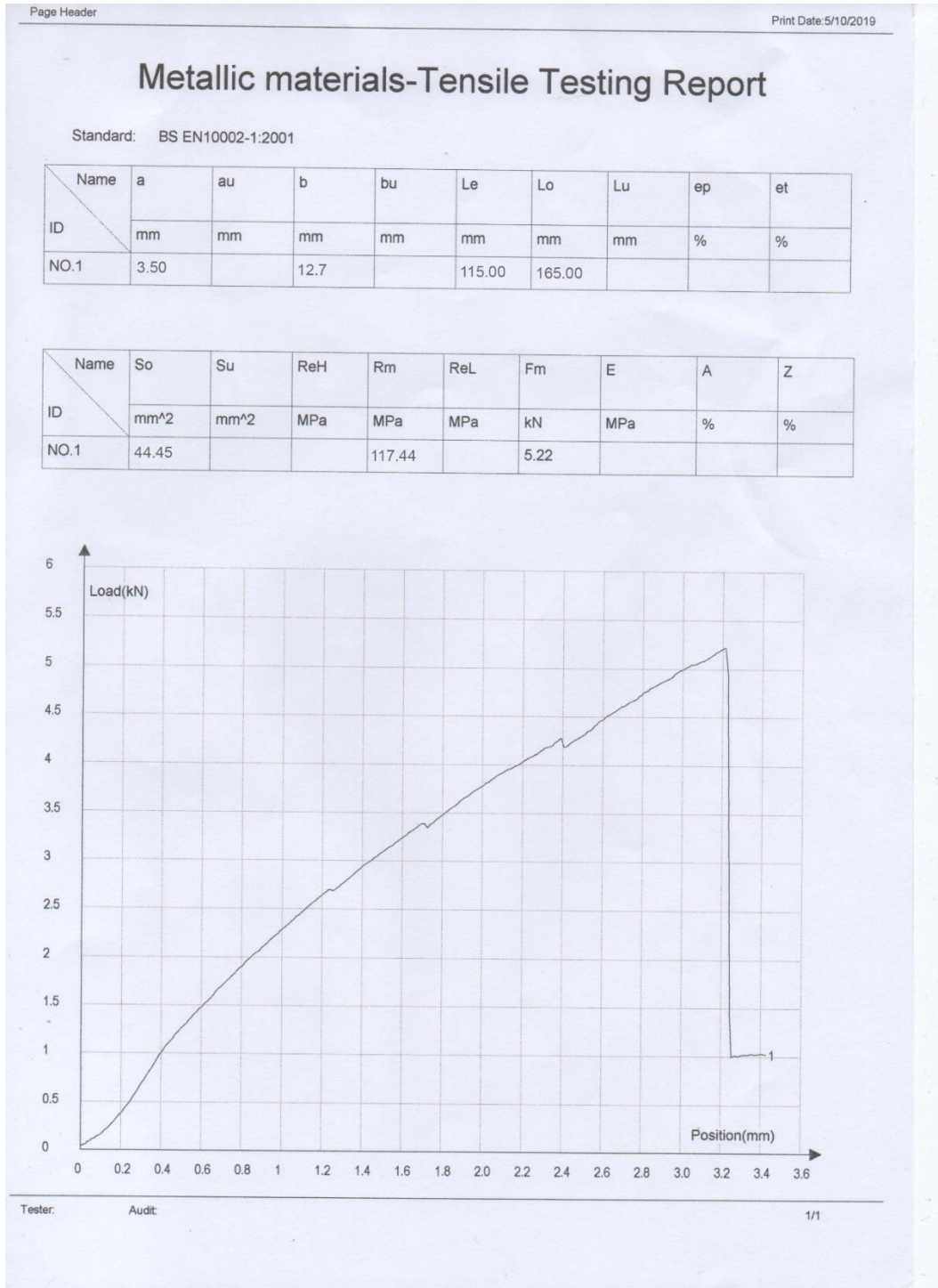
Tabel 3. Hasil Perhitungan Komposit Hibrid *Abaca*/Karbon/PMMA 30%

No	d (mm)	b (mm)	Beban (N)	ΔL (mm)	Mod.Elast (MPa)	Teg. Tarik (Mpa)	Elongation (%)
1	3.6	12.7	5460	3.30	5971.13	119.42	2.00
2	3.5	12.7	5220	3.26	5943.81	117.44	1.98
3	3.6	12.7	5730	3.59	5760.20	125.33	2.18
4	3.6	13.0	5330	2.60	7227.56	113.89	1.58
5	3.6	13.0	6060	4.04	5288.46	129.49	2.45
Min					5288.46	113.89	1.58
Max					7227.56	129.49	2.45
Rata-Rata					6101.03	121.28	2.03
Standar Deviasi					315.83	6.69	0.11

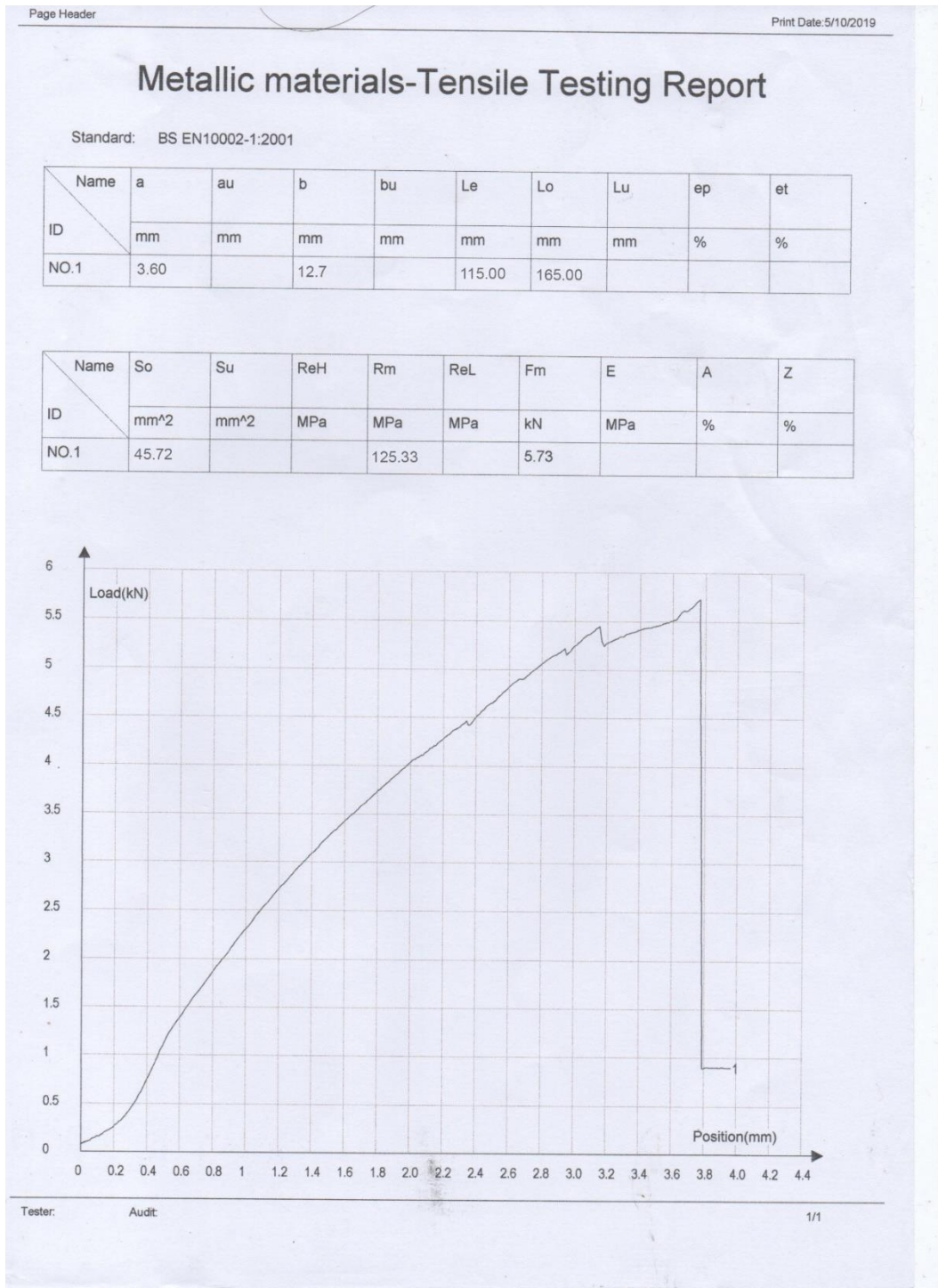
Grafik 1. Pengujian Tarik Komposit Hibrid *Abaca*/Karbon/PMMA 30%



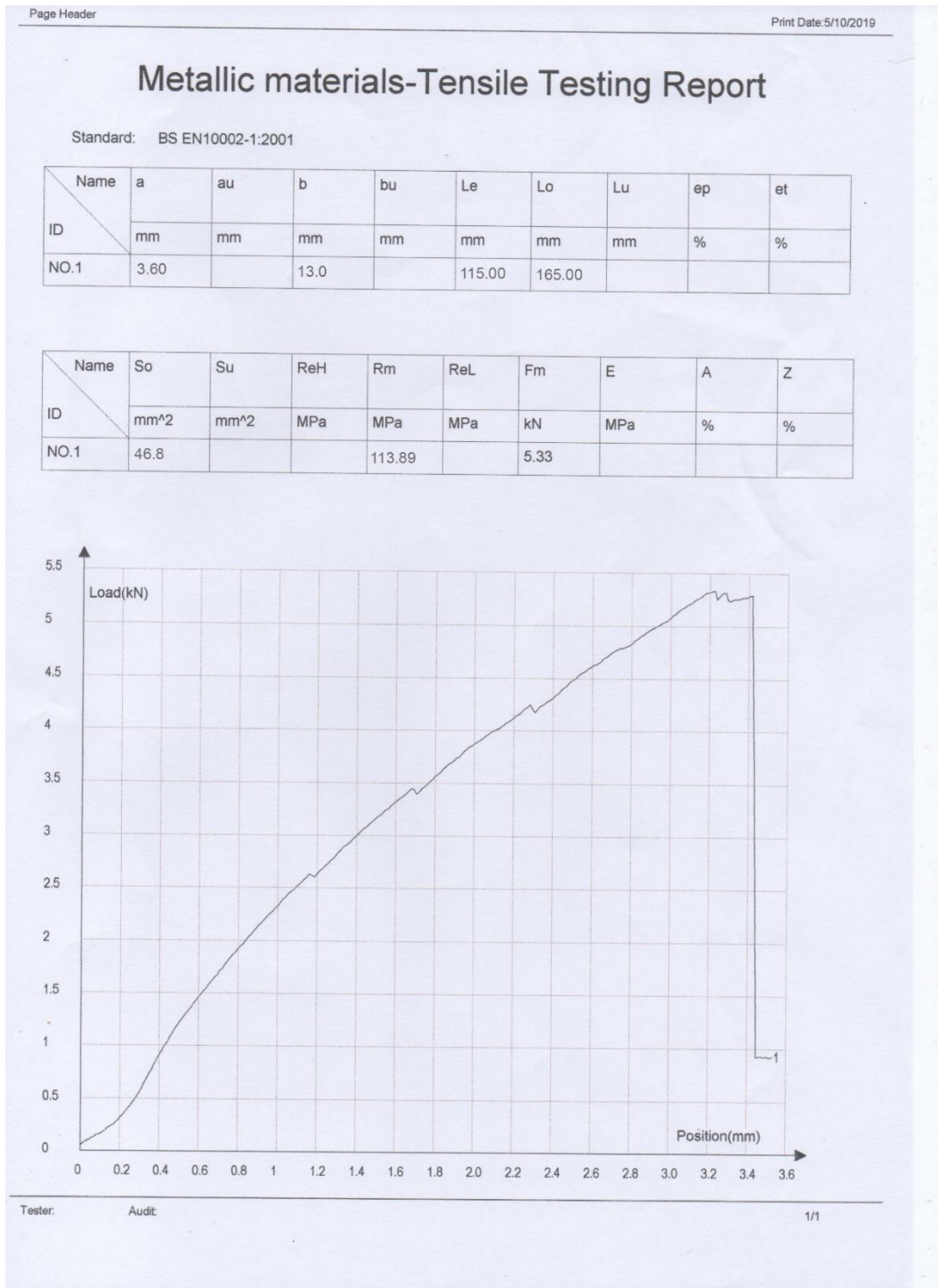
Grafik 2. Pengujian Tarik Komposit Hibrid *Abaca*/Karbon/PMMA 30%



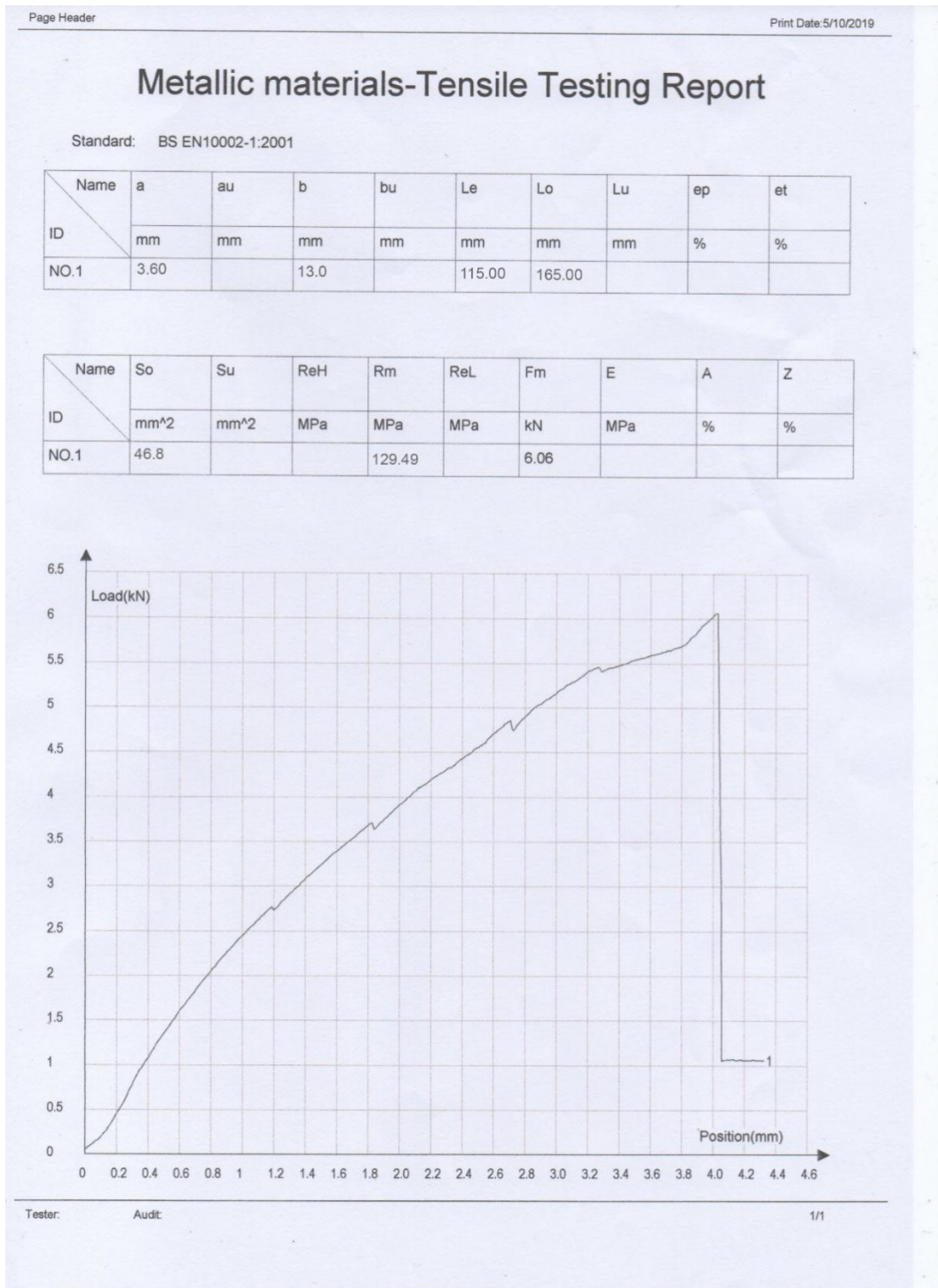
Grafik 3. Pengujian Tarik Komposit Hibrid *Abaca*/Karbon/PMMA 30%



Grafik 4. Pengujian Tarik Komposit Hibrid *Abaca*/Karbon/PMMA 30%



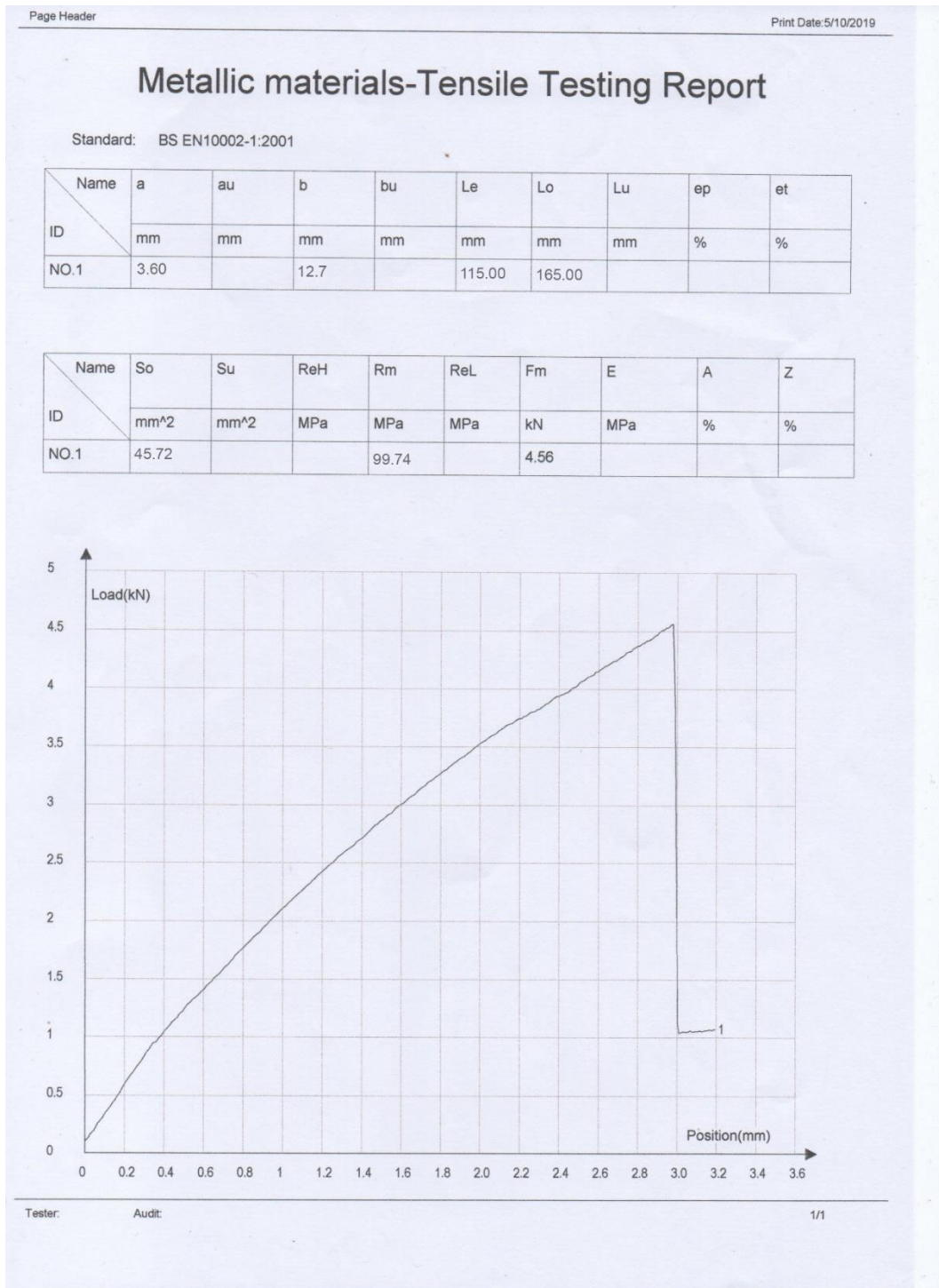
Grafik 5. Pengujian Tarik Komposit Hibrid *Abaca*/Karbon/PMMA 30%



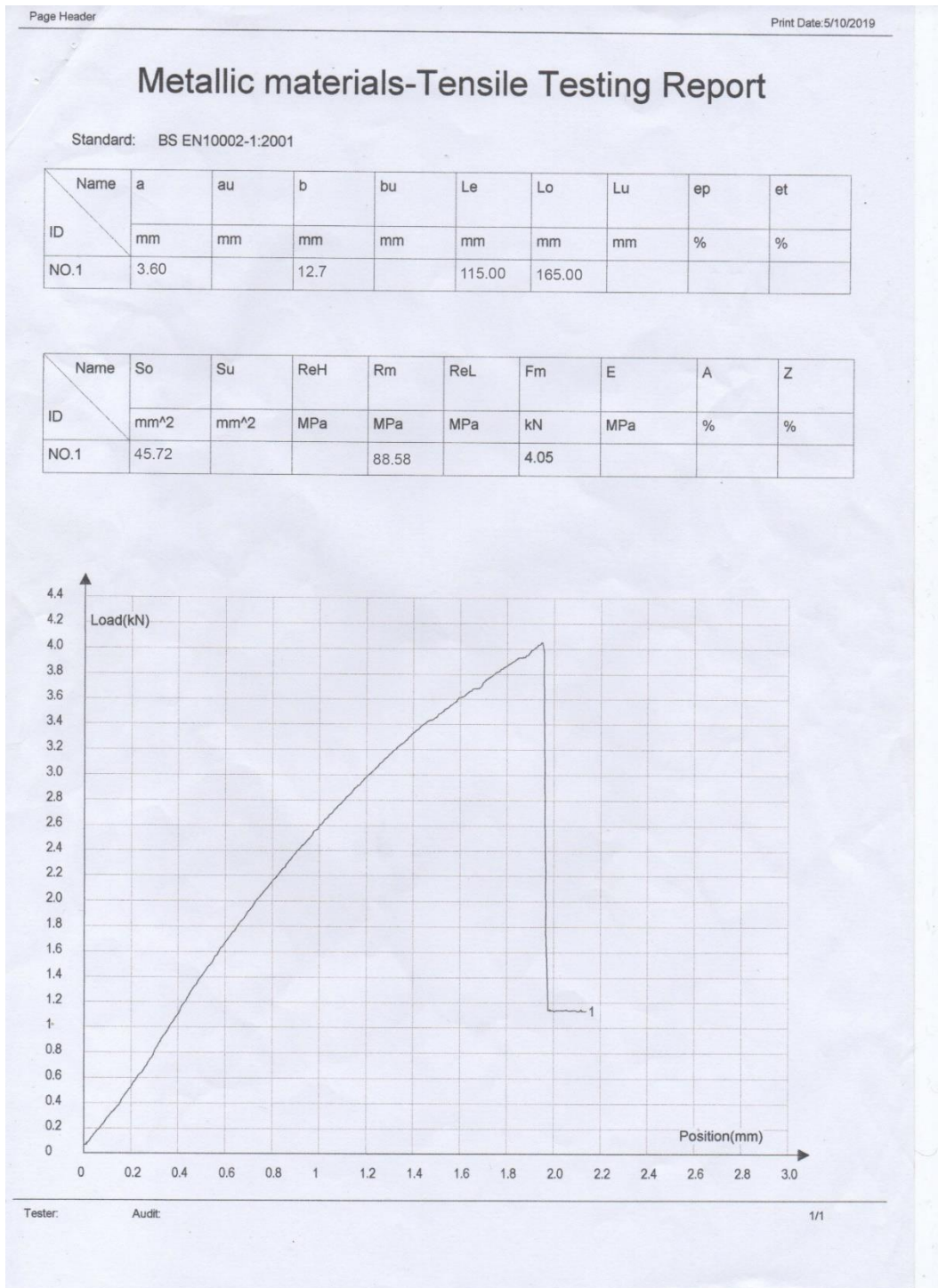
Tabel 4. Hasil Perhitungan Komposit Hibrid *Abaca*/Karbon/PMMA 35%

No	d (mm)	b (mm)	Beban (N)	ΔL (mm)	Mod.Elast (MPa)	Teg. Tarik (Mpa)	Elongation (%)
1	3.5	12.7	3870	2.06	6973.58	87.06	1.25
2	3.6	12.7	4560	3.00	5485.56	99.74	1.82
3	3.6	12.7	4050	2.10	6960.07	88.58	1.27
4	3.2	12.7	3720	2.34	6454.42	91.54	1.42
5	2.8	12.7	3050	2.08	6803.91	85.77	1.26
Min					5485.56	85.77	1.25
Max					6973.58	99.74	1.82
Rata-Rata					6448.10	91.17	1.44
Standar Deviasi					241.64	5.57	0.08

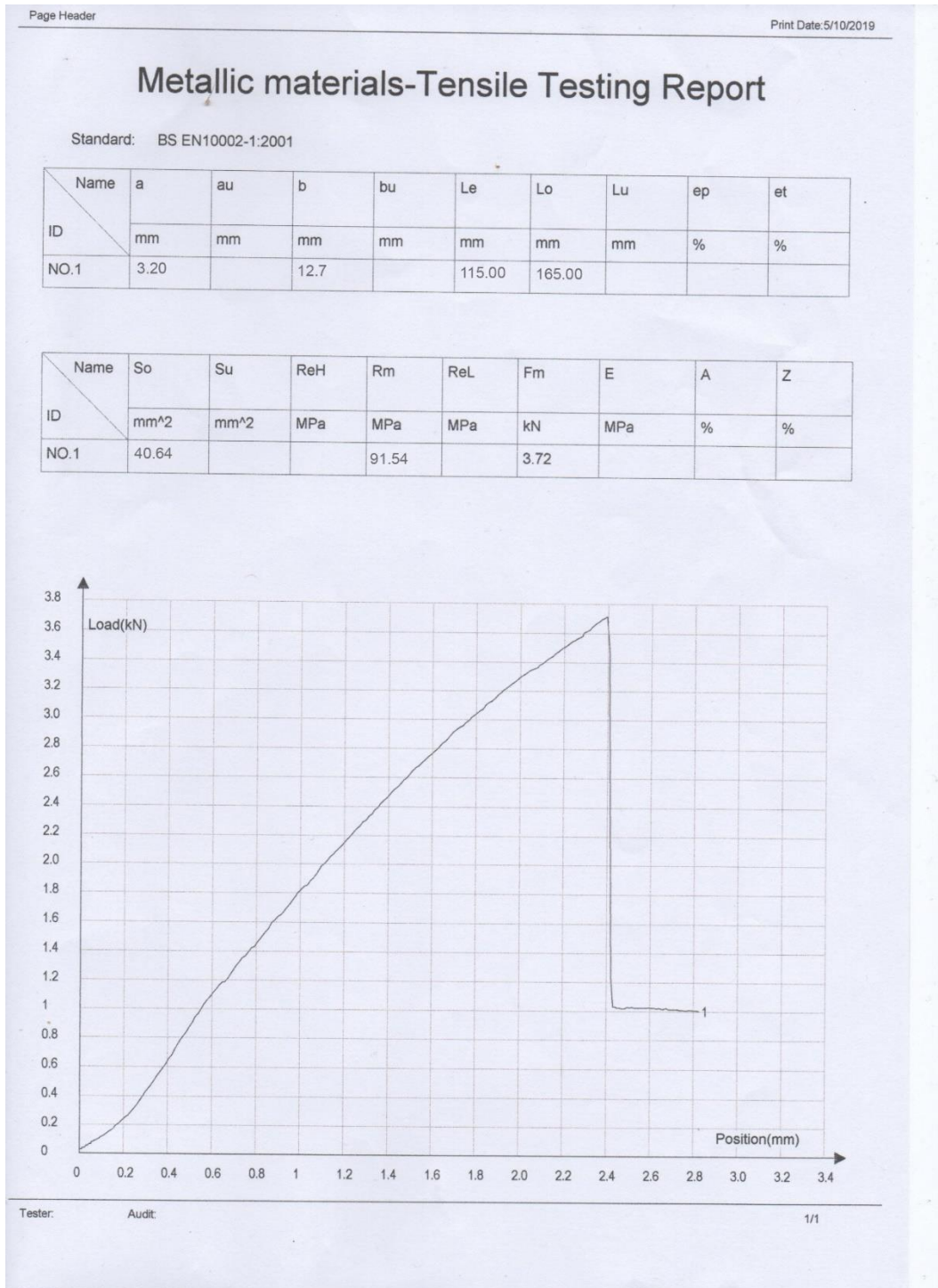
Grafik 2. Pengujian Tarik Komposit Hibrid *Abaca*/Karbon/PMMA 35%



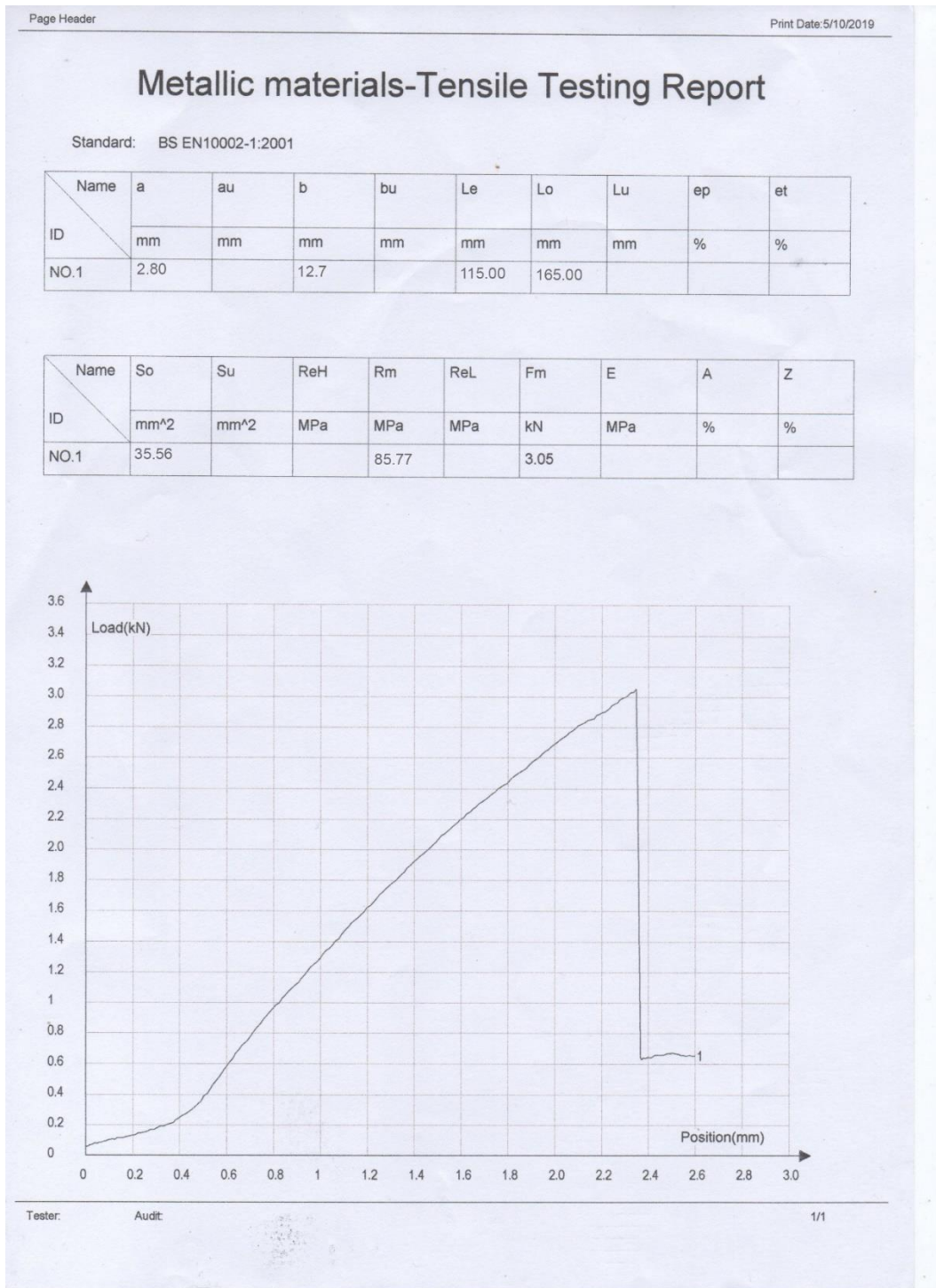
Grafik 3. Pengujian Tarik Komposit Hibrid *Abaca*/Karbon/PMMA 35%



Grafik 4. Pengujian Tarik Komposit Hibrid *Abaca*/Karbon/PMMA 35%



Grafik 5. Pengujian Tarik Komposit Hibrid *Abaca*/Karbon/PMMA 35%



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