Laporan Pengujian Uji Tekan
PT. Sumber Plast Indo

ITS TEKNO SAINS

LAPORAN HASIL INSPEKSI DAN PENGUJIAN

Tanggal : 18 Februari 2026
Institusi/Perusahaan : PT Sumber Plast Indo

Nama Barang/Komponen : Pipa HDPE AMW
Jenis Pengujian : Uji Tekan / ISO 9969

Hasil Pengujian :

1. Uji Tekan

NO	SAMPEL	NOMINAL DIAMETER (mm)	DIAMETER outside (mm)	DIAMETER inside (mm)	RING STIFFNESS (kN/m2)
1	AMW HDPE PIPE RING 30	300	320	290	9.92
2	AMW HDPE PIPE RING 22	220	250	220	10.32
3	AMW HDPE PIPE RING 16	160	160	140	9.84



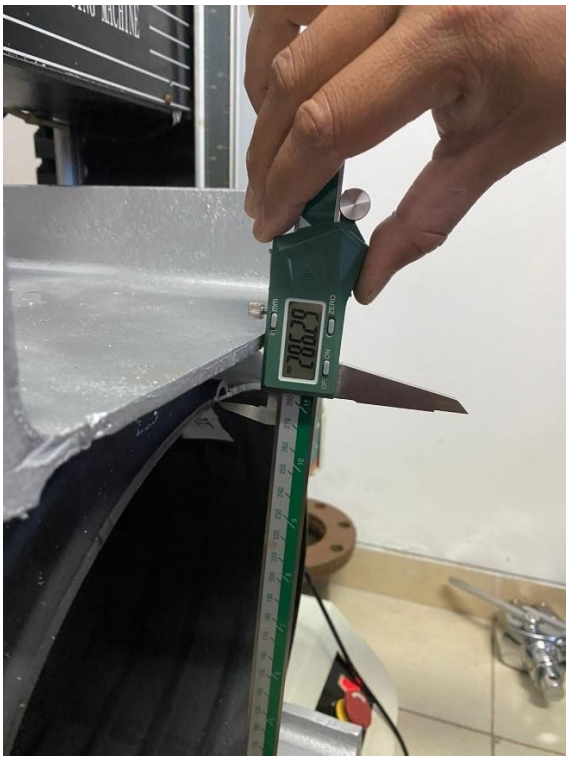
Gambar 1. Proses pengukuran sampel pipa

PT. ITS TEKNO SAINS
Research Center Building 2nd Floor
Jl. Teknik Kimia, Kampus ITS Sukolilo
Surabaya 60111

Telp : +6231-5954020
Fax : +6231-5954197
Email : corporate@itsteknosains.co.id
Website : www.itsteknosains.co.id



Gambar 2. Proses pengujian tekan



Gambar 3. Proses pengukuran setelah defleksi strain 3%

PT. ITS TEKNO SAINS
Research Center Building 2nd Floor
Jl. Teknik Kimia, Kampus ITS Sukolilo
Surabaya 60111

Telp : +6231-5954020
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Website : www.itsteknosains.co.id

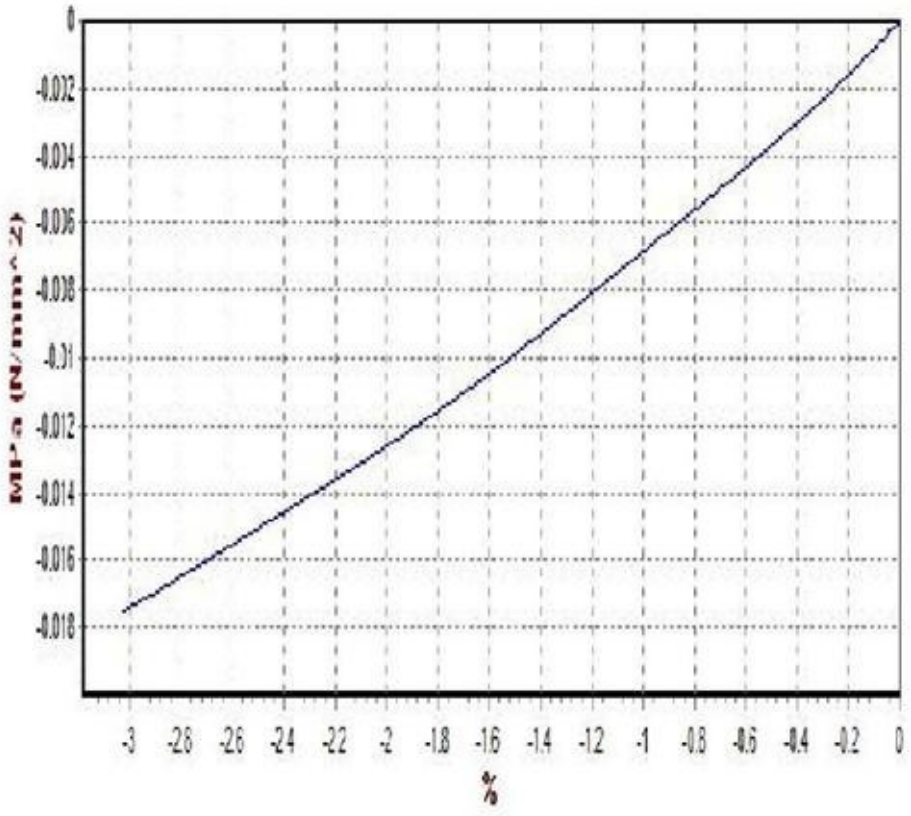
Lampiran Hasil Pengujian

LABORATORIUM INOVASI MATERIAL
JURUSAN TEKNIK MATERIAL DAN METALURGI
FAKULTAS TEKNOLOGI INDUSTRI
INSTITUT TEKNOLOGI SEPULUH NOPEMBER
Kampus ITS Sukolilo, Surabaya 60111

TEST REPORT

Information : trial **Date :**

Specimens	Area mm^2	Max Force N	Yield Strength N/mm^2	Compressive Str N/mm^2	Modulus of Elasticity (E) N/mm^2	Elongation %
sample 1	67168.1	1177.2	0.01	0.02	0.61	3.03



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Jl. Teknik Kimia, Kampus ITS Sukolilo
Surabaya 60111

Telp : +6231-5954020
Fax : +6231-5954197
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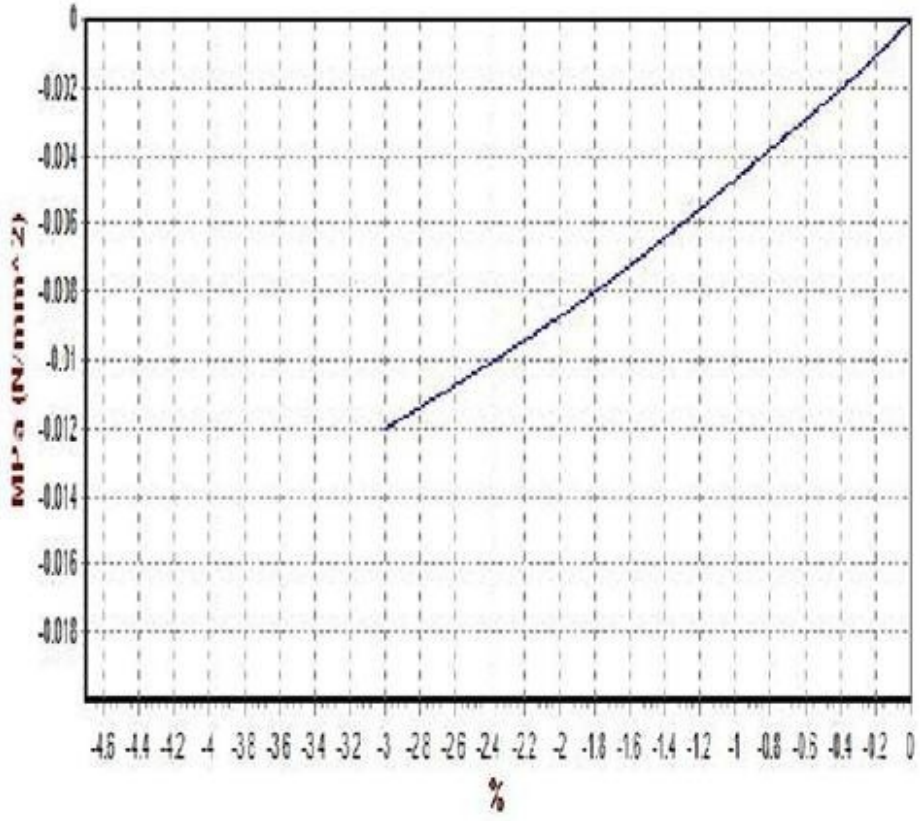
TEST REPORT

Information : PT. Sumber Plastindo **Date :**

Specimens	Area mm^2	Max Force N	Yield Strength N/mm^2	Compressive Str N/mm^2	Modulus of Elasticity (E) N/mm^2	Elongation %
30 - 2	104000.	1252.9	0.01	0.01	0.43	3.01



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Research Center Building 2nd Floor
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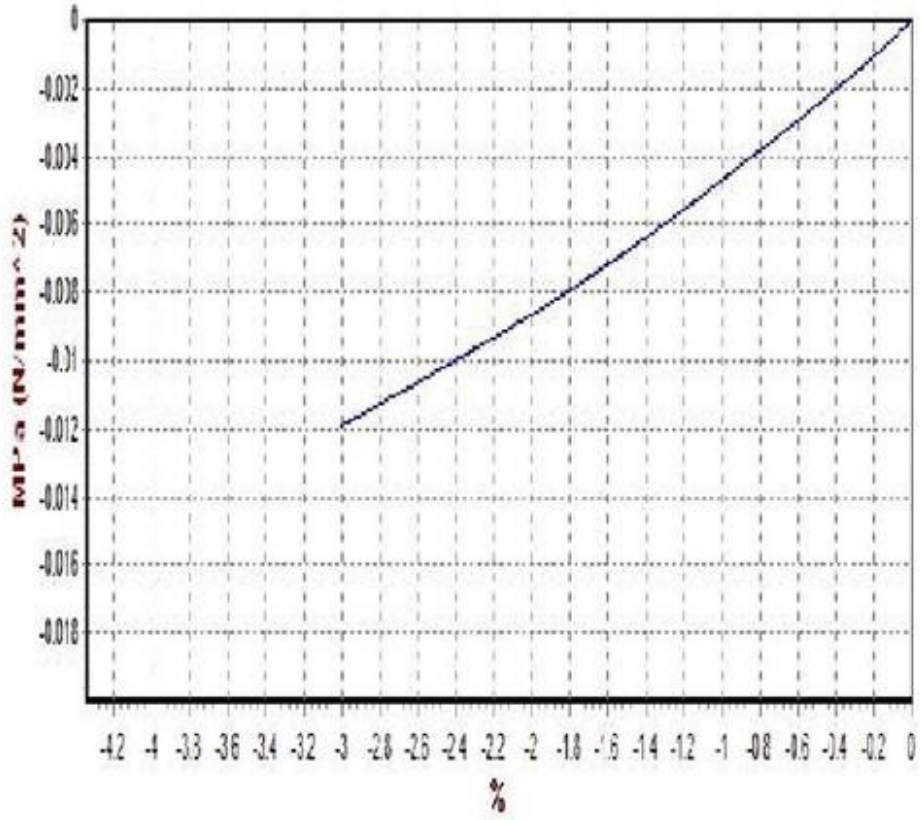
30 - 3	105600.	1261.3	0.01	0.01	0.42	3.01



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Jl. Teknik Kimia, Kampus ITS Sukolilo
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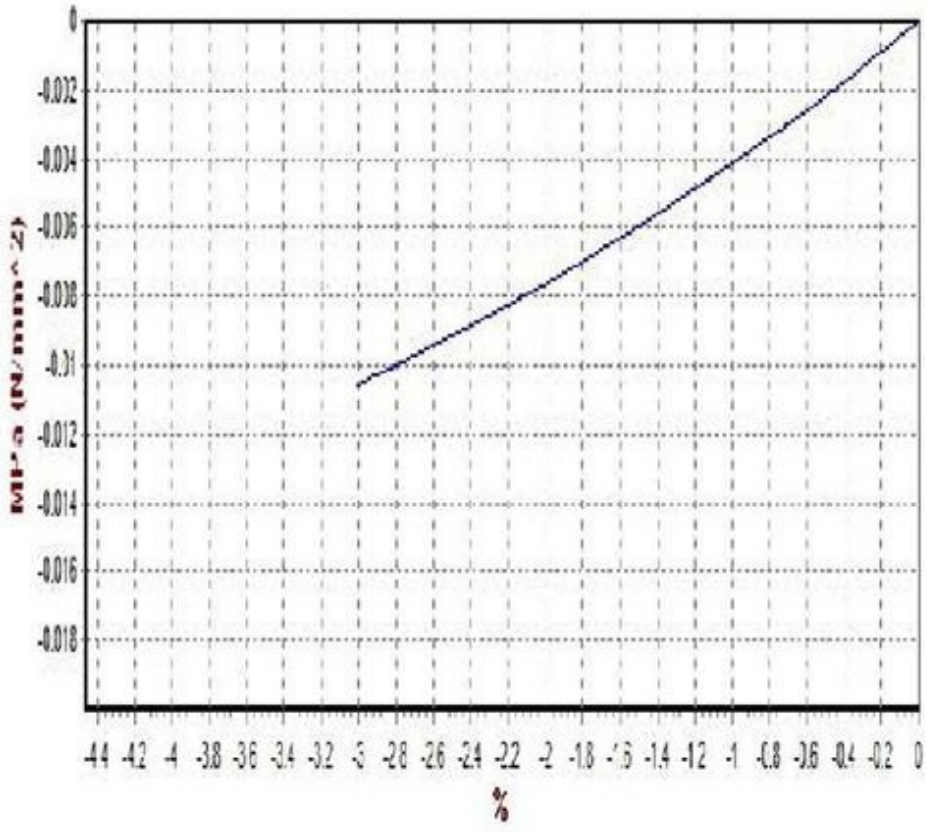
22 - 1	74013.7	783.5	0.01	0.01	0.37	3.77



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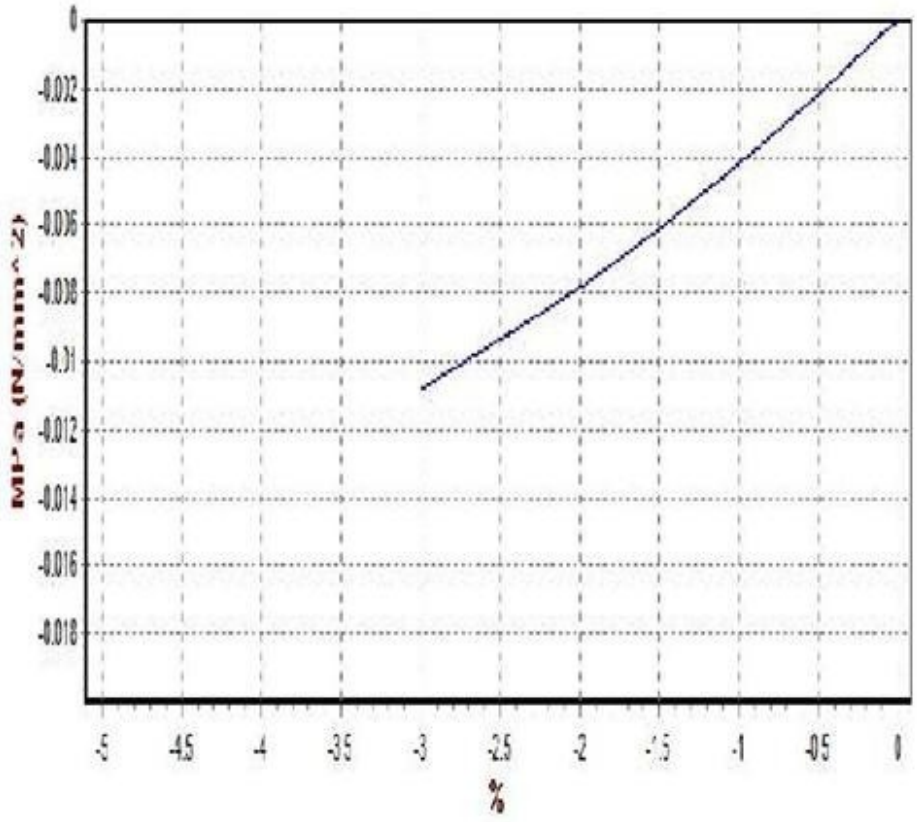
22 - 2	72603.7	785.8	0.01	0.01	0.38	3.78



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Research Center Building 2nd Floor
Jl. Teknik Kimia, Kampus ITS Sukolilo
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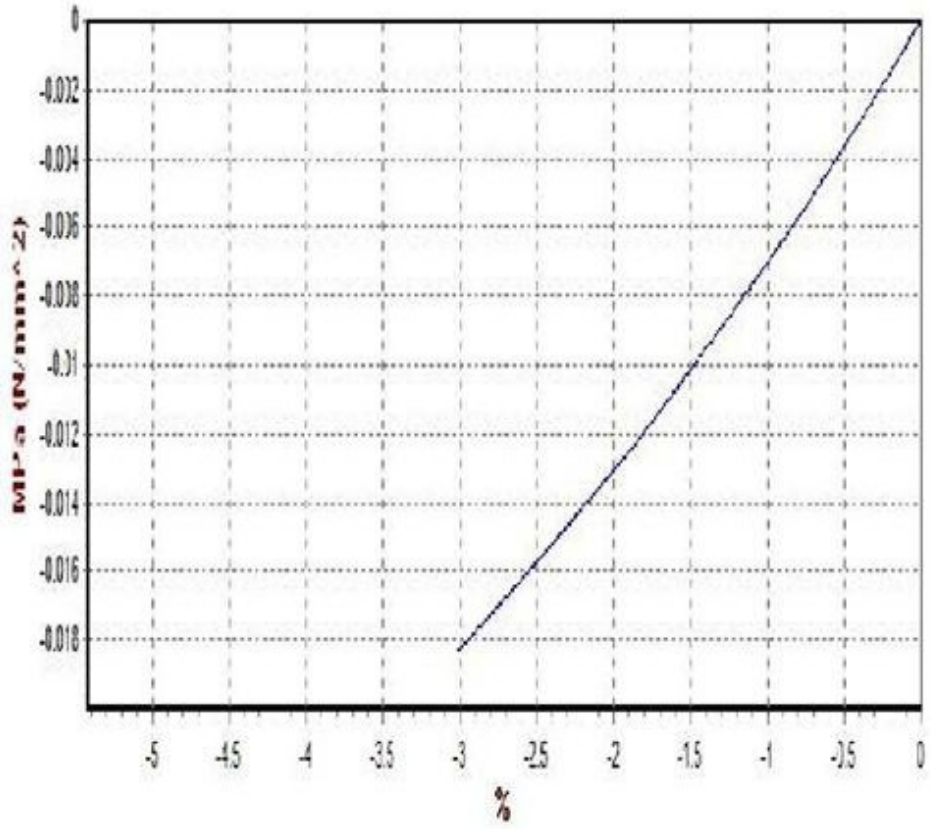
22 - 3	70912.7	1299.0	0.02	0.02	0.63	3.80



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Surabaya 60111

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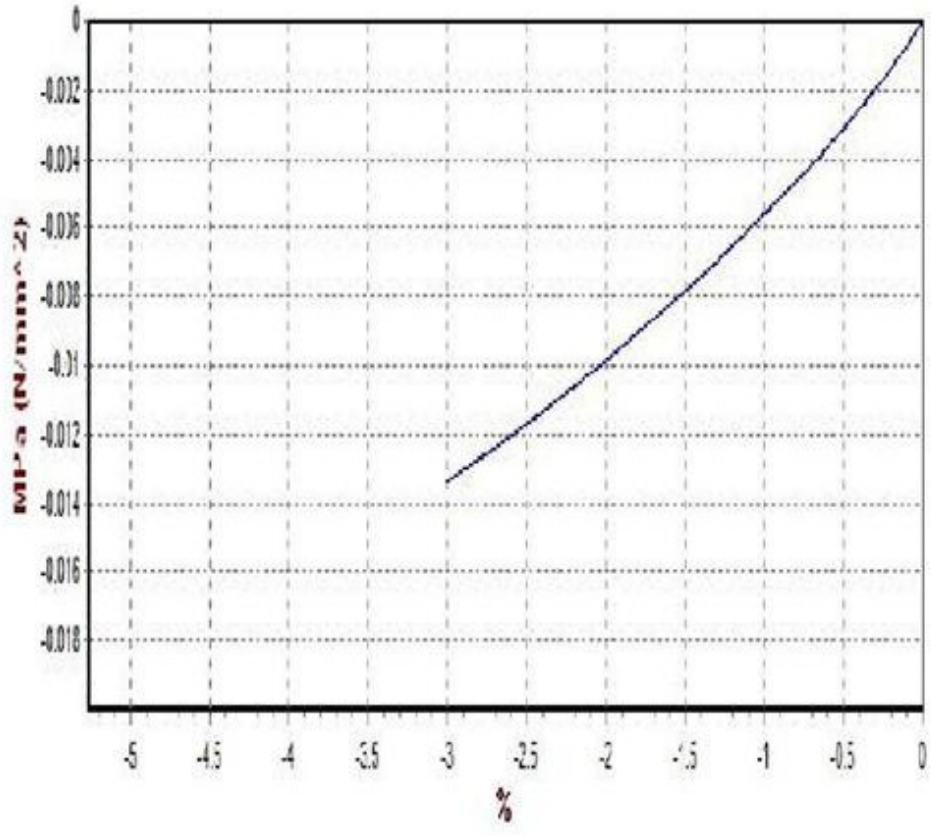
16 - 1	45181.0	605.6	0.01	0.01	0.46	6.07



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Research Center Building 2nd Floor
Jl. Teknik Kimia, Kampus ITS Sukolilo
Surabaya 60111

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Fax : +6231-5954197
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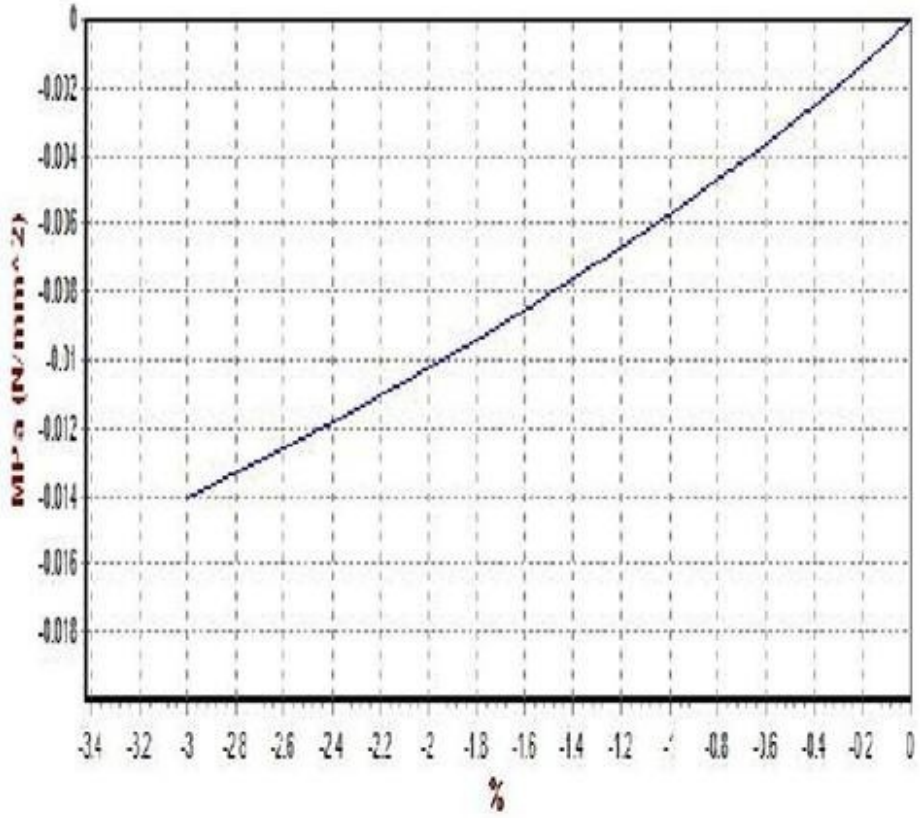
16 - 2	45075.6	634.0	0.01	0.01	0.48	6.08



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PT. ITS TEKNO SAINS
Research Center Building 2nd Floor
Jl. Teknik Kimia, Kampus ITS Sukolilo
Surabaya 60111

Telp : +6231-5954020
Fax : +6231-5954197
Email : corporate@itsteknosains.co.id
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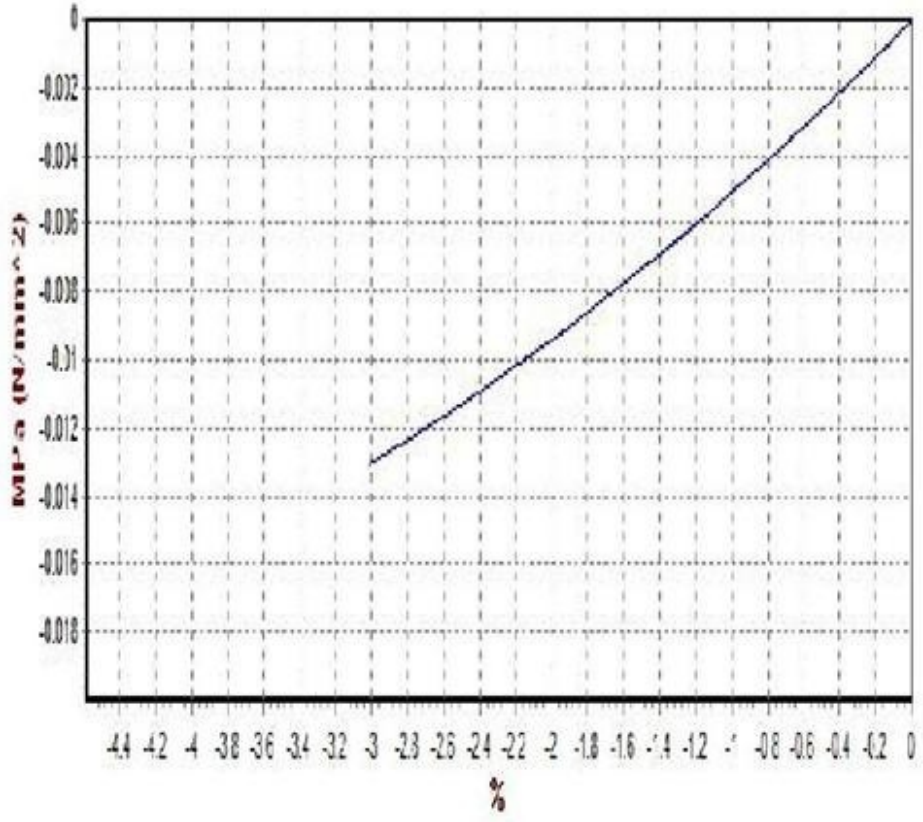
16 - 3	45106.9	588.8	0.01	0.01	0.45	6.08



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PT. ITS TEKNO SAINS
Research Center Building 2nd Floor
Jl. Teknik Kimia, Kampus ITS Sukolilo
Surabaya 60111

Telp : +6231-5954020
Fax : +6231-5954197
Email : corporate@itsteknosains.co.id
Website : www.itsteknosains.co.id

Catatan :
Hak atas kekayaan intelektual ini milik Tim dan tidak dapat digunakan untuk keperluan lain.

Wakil Direktur



Dr. Ir. Mudji Irmawan, M.T.

PT. ITS TEKNO SAINS
Research Center Building 2nd Floor
Jl. Teknik Kimia, Kampus ITS Sukolilo
Surabaya 60111

Telp : +6231-5954020
Fax : +6231-5954197
Email : corporate@itsteknosains.co.id
Website : www.itsteknosains.co.id

PT. ITS TEKNO SAINS (Persero)
Research Center Building 2nd Floor
Jl. Teknik Kimia, Kampus ITS Sukolilo
Surabaya 60111

Telp/Fax : +6231-5954020
Telp/Fax : +6231-5954197
Email : corporate@itsteknosains.co.id
Website : www.itsteknosains.co.id