



PENUGASAN
No : 30-08/PM/LM/VIII/95

Ketua Program Studi Teknik Sipil, Fakultas Teknik Sipil dan Perencanaan Institut Sains dan Teknologi Nasional Jakarta menugaskan kepada :

Ir. Idrus, MSc Staff Jurusan Teknik Sipil

Untuk melakukan pekerjaan Penyelidikan Tanah sebagai bentuk kegiatan :
Pengabdian Pada Masyarakat pada :

Nama Pekerjaan : Penyelidikan Tanah PT. (Persero) Pelabhan II
Lokasi : Jakarta Utara
Pemberi Tugas : PT. PELABUHAN INDONESIA II (PERSERO)

Dengan jadwal pelaksanaan pekerjaan selama 7 hari kerja (70Jam), 2 hari di lapangan dan 5 hari di Laboratorium

Kepada Ir. Idrus MSc diberikan kepercayaan penuh untuk melakukan pekerjaan Pengabdian Pada Masyarakat tersebut dan bertanggung jawab atas segala sesuatu mengenai pekerjaan tersebut

Kepada pelaksana tugas ini akan diberikan honorarium sesuai dengan ketentuan yang berlaku di Laboratorium Mekanika Tanah Institut Sains dan Teknologi Nasional.

Penugasan ini berlaku sejak dikeluarkan sampai dengan berakhirnya jangka waktu penyusunan Laporan Akhir (Final Report) diterima oleh pemberi kerja dengan baik.

Jakarta, 30 Agustus 1995
Kaprosdi Teknik Sipil



Ir. Ari Mulyo Diah Utami MT
NIP : 01.83332

Tembusan :

1. Dekan FTSP-ISTN (sbg laporan)
2. Ka. Lab. Mekanika Tanah ISTN
3. Arsip

**LEMBAR PENGESAHAN
PENGABDIAN PADA MASYARAKAT**



**PENYELIDIKAN TANAH PT. (Persero) PELABUHAN II
Lokasi : Jakarta Utara**

Oleh :
Idrus Ir, M.Sc

Mengetahui :
Ketua Jurusan Teknik Sipil



Ir. Arimulyo Diah Utami, M.T

Program Studi Teknik Sipil
Institut Sain dan Teknologi Nasional
Jakarta 1995

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PT. Pelabuhan Indonesia II
(PERSERO)

SURAT PERJANJIAN KERJASAMA

No: 28-08.1/PI/VIII/95

Kami yang bertanda tangan di bawah ini :

I. N a m a : **PT. Pelabuhan Indonesia II (Persero)**
Alamat : Jl. Pasoso No.1 Tanjung Priok Jakarta Utara, Jakarta 14310
Selanjutnya disebut **PIHAK PERTAMA.**

II. N a m a : **Ir. Idrus MSc**
Jabatan : Kepala Laboratorium Mekanika Tanah ISTN
Alamat : Jl. Asmin 45, Susukan, Ciracas
Selanjutnya disebut **PIHAK KEDUA.**

Pihak Pertama telah sepakat untuk menunjuk Pihak Kedua dalam melakukan pengujian California Bearing Ratio (CBR) pada :

Proyek : Pematangan Lahan Cilincing dan Sukapura
Lokasi : Jakarta Utara

Demikian surat perjanjian kerja sama ini kami buat dengan sebenar-benarnya.

Jakarta, 28 Agustus 1995

PIHAK KEDUA

Laboratorium Mekanika Tanah ISTN

PIHAK PERTAMA

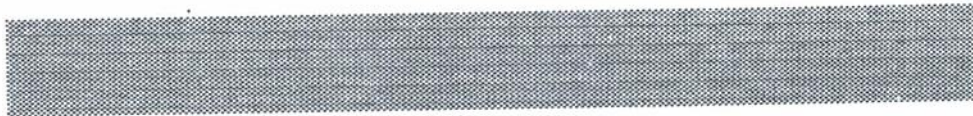
PT. Pelabuhan Indonesia II (Persero)

SOIL INVESTIGATION OF FIELD C.B.R TEST

PT. (Persero) Pelabuhan Indonesia II

PROJECT : PEMATANGAN LAHAN CILINCING DAN SUKAPURA

LOCATION : SUKAPURA , JAKARTA UTARA



LABORATORIUM MEKANIKA TANAH
JURUSAN TEKNIK SIPIL - FTSP.
INSTITUT SAINS DAN TEKNOLOGI NASIONAL - JAKARTA
Kampus ISTN Bhumi Srengseng Telp. 7270092, Fax. 7270090



**LABORATORIUM MEKANIKA TANAH
JURUSAN TEKNIK SIPIL - FTSP.
INSTITUT SAINS DAN TEKNOLOGI NASIONAL - JAKARTA**
Kampus ISTN Bhumi Srengseng Telp. 7270092

Jakarta , 7 September 1995.

No : 07-09.1/FR/LM/IX/95
Lamp : 1 (satu) berkas
Hal : Hasil Pengujian CBR Lapangan pada proyek Pematangan
Lahan Cilincing dan Sukapura , Jakarta Utara.

Kepada Yth,
PT. (persero) Pelabuhan Indonesia II
di
Jakarta.

Dengan hormat,

Sehubungan permohonan yang diajukan kepada Laboratorium Mekanika Tanah I.S.T.N Jakarta untuk melakukan pengujian California Bearing Ratio (CBR) lapangan pada proyek Pematangan Lahan Cilincing dan Sukapura di Sukapura ,Jakarta Utara ,maka kami akan melaporkan pekerjaan yang telah di laksanakan sebagai berikut :

1. Pengujian di lapangan dilakukan pada tanggal 1 dan 2 September 1995
2. Lapisan yang diuji terdiri dari 2 (dua) lapisan tanah yaitu : Lapisan Layer I dan Lapisan Akhir (Top Layer).
3. Jumlah titik pengujian sebanyak 49 (empat puluh sembilan) titik, yang terdiri dari :
 - 8 (delapan) titik lapisan Layer I, dan
 - 41 (empat puluh satu) titik lapisan Top Layer.
4. Hasil lengkap dari pengujian CBR tersebut dapat dilihat pada lampiran berikut.

Demikianlah laporan ini dibuat dengan sebenar-benarnya, atas kerjasamanya diucapkan terima kasih.

Hormat kami,
LABORATORIUM MEKANIKA TANAH I.S.T.N
Kepala


(Ir. Idrus M.Sc)

Geotechnical Engineer



PT. PI. II, SUKAPURA



Kot :  = di x hujvi
 = POINT TEST TOP LAYER
 3/8-91
[Signature]

REKAPITULASI HASIL PENGUJIAN CBR LAPANGAN

PROYEK : PEMATANGAN LAHAN CILINCING DAN SUKAPURA

LOKASI : SUKAPURA, JAKARTA UTARA

LAYER KE I (PERTAMA)
TANGGAL PENGUJIAN : 2 SEPTEMBER 1995.

No Titik	Kadar Air (%)	Nilai CBR (%)	
		Penetrasi 0,1 "	Penetrasi 0,2 "
1	24.45	2.424	2.295
2	24.75	2.842	2.672
3	24.45	2.592	2.229
4	24.17	2.675	2.341
5	26.69	2.341	2.062
6	25.54	3.177	2.731
7	25.71	2.642	2.397
8	28.17	2.675	2.229

TOP LAYER

TANGGAL PENGUJIAN : 1 DAN 2 SEPTEMBER 1995

No Titik	Kadar Air (%)	Nilai CBR (%)	
		Penetrasi 0,1 "	Penetrasi 0,2 "
1	29.21	4.180	4.124
2	21.95	4.013	4.069
3	24.22	4.180	4.013
4	25.79	4.013	4.124
5	26.90	4.949	4.069
6	24.68	4.849	4.069
7	30.54	4.013	4.069
8	22.85	5.936	5.688
9	24.37	9.196	8.917
10	23.41	5.016	4.124
11	24.55	4.932	4.626
12	23.41	4.682	4.403 (BERSAMBUNG)



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No Titik	Kadar Air (%)	Nilai CBR (%)	
		Penetrasi 0,1 "	Penetrasi 0,2 "
13	26.67	4.180	4.013
14	25.07	4.347	4.124
15	30.07	5.601	4.793
16	28.20	4.682	4.236
17	24.31	4.031	4.124
18	27.16	4.180	4.069
19	27.16	3.595	3.957
20	23.94	4.013	4.069
21	22.95	4.013	3.091
22	21.92	4.180	4.236
23	23.41	4.849	4.069
24	24.45	3.260	3.288
25	28.79	3.511	3.455
26	32.55	4.013	3.846
27	29.04	5.689	5.295
28	27.30	3.511	3.288
29	27.48	3.511	3.846
30	22.95	4.013	4.069
31	24.79	4.096	4.069
32	27.53	4.347	4.236
33	25.75	4.096	4.013
34	24.79	3.762	3.734
35	22.09	3.929	3.344
36	24.45	4.180	4.235
37	22.78	3.344	3.455
38	22.75	4.932	4.905
39	23.99	5.100	4.514
40	24.14	4.849	4.626
41	26.03	4.347	4.514



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CALIFORNIA BEARING RATIO FIELD TEST

PROJECT	PEMATANGAN LAHAN CIUNGING - DAN SUKAPURA	DATE OF TESTED	SEPTEMBER 2 1996.
LOCATION	SUKAPURA	TESTED BY	NANA S
TYPE OF MATERIAL	SOIL	CHECKED BY	
NO. OF TESTED	1	APPROVAL BY	
ELEVATION	LAYER 1	CALIBRATION (Lbs/Div)	2.508
COORDINATE	X: , Y:	STANDARD OF TESTED	A.S.T.M

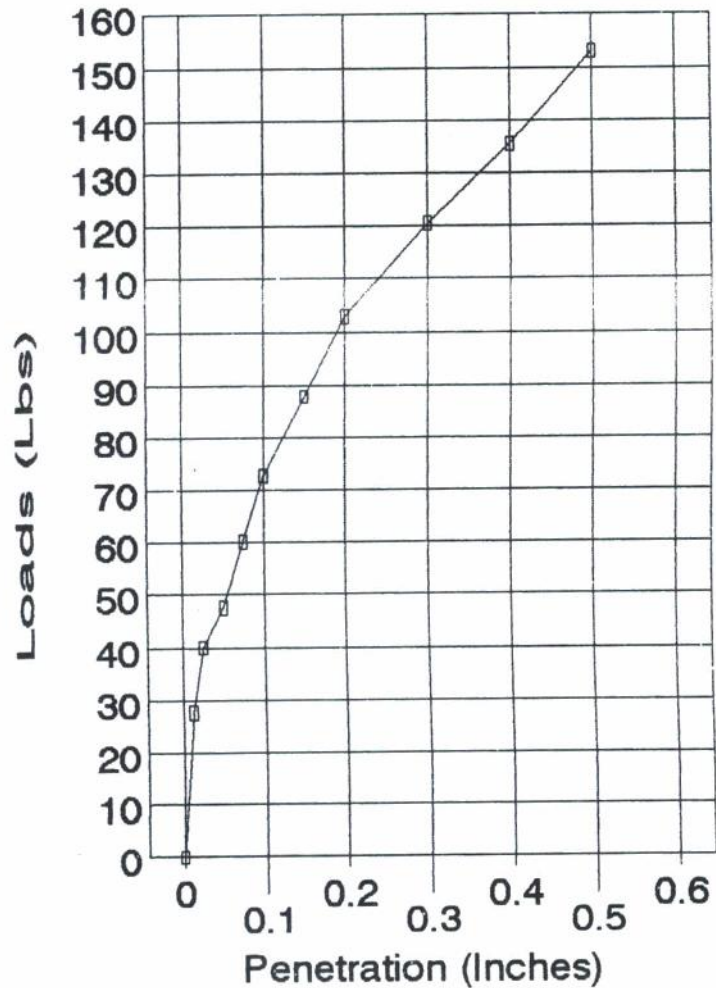
Time minute	Penetration (Inch)	DIAL LOAD	
		Prov.ring	Load (Lbs)
0.00	0.0000	0.00	0.00
0.25	0.0125	11.00	27.59
0.50	0.0250	16.00	40.13
1.00	0.0500	19.00	47.65
1.50	0.0750	24.00	60.19
2.00	0.1000	29.00	72.73
3.00	0.1500	35.00	87.78
4.00	0.2000	41.00	102.83
6.00	0.3000	48.00	120.38
8.00	0.4000	54.00	135.43
10.00	0.5000	61.00	152.99

Field Water Content (%)

ITEMS	Quantities	units
1. Weight of container	32.80	Grm
2. Weight of Wet soil + 1	28.00	Grm
3. Weight of Dry soil + 1	128.00	Grm
4. Water Content (%)	106.05	%
	24.45	

C.B.R VALUE (%)

	Penetration	
	0.1 Inch	0.2 Inch
C.B.R VALUE (%)	2.424	2.285



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CALIFORNIA BEARING RATIO FIELD TEST

PROJECT	PEMATANGAN LAHAN CILINCING – DAN SUKAPURA	DATE OF TESTED	SEPTEMBER 2 1995
LOCATION	SUKAPURA	TESTED BY	NANA S
TYPE OF MATERIAL	SOIL	CHECKED BY	
NO. OF TESTED	2	APPROVAL BY	
ELEVATION	LAYER 1	CALIBRATION (Lbs/Div)	2.508
COORDINATE	X : Y :	STANDARD OF TESTED	A.S.T.M

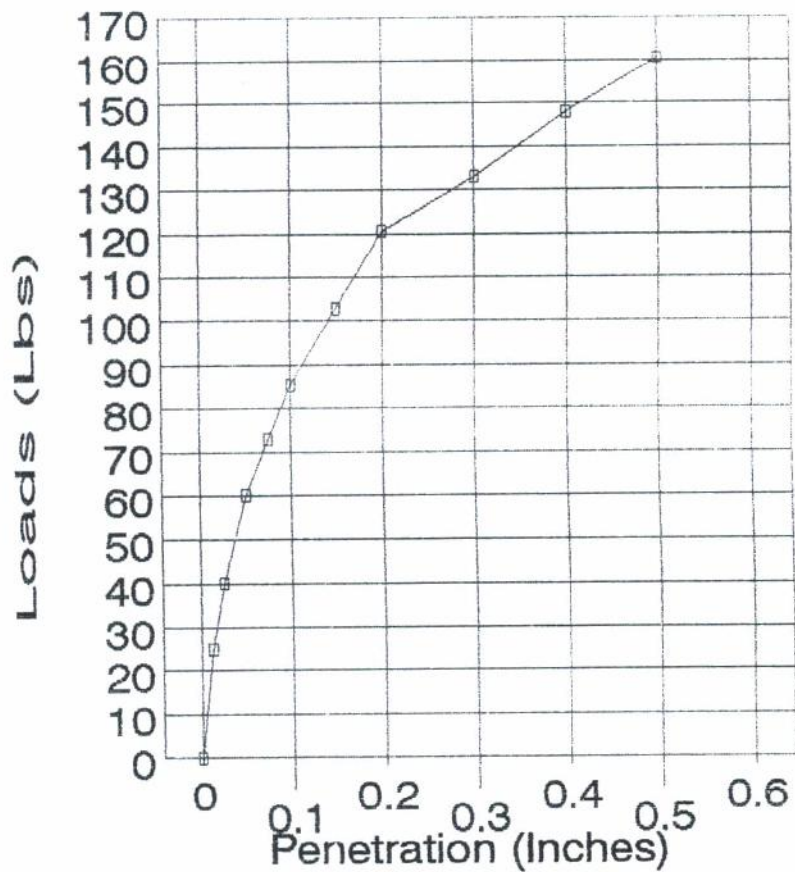
Time minute	Penetration (inch)	DIAL LOAD	
		Proving ring	Load (lbs)
0.00	0.0000	0.00	0.00
0.25	0.0125	10.00	25.08
0.50	0.0250	16.00	40.13
1.00	0.0500	24.00	60.19
1.50	0.0750	29.00	72.73
2.00	0.1000	34.00	85.27
3.00	0.1500	41.00	102.83
4.00	0.2000	48.00	120.38
6.00	0.3000	53.00	132.92
8.00	0.4000	59.00	147.97
10.00	0.5000	64.00	160.51

Field Water Content (%)

ITEMS	Quantities	units
1. Weight of container	24.00	Grm
2. Weight of Wet soil + 1	124.00	Grm
3. Weight of Dry soil + 1	104.15	Grm
4. Water Content (%)	24.76	%

C.B.R VALUE (%)

	Penetration	
	0.1 inch	0.2 Inch
C.B.R VALUE (%)	2.842	2.675



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CALIFORNIA BEARING RATIO FIELD TEST

PROJECT	PEMATANGAN LAHAN CIJINCING - DAN SUKAPURA	DATE OF TESTED	SEPTEMBER 2 1995.
LOCATION	SUKAPURA	TESTED BY	NANA S
TYPE OF MATERIAL	SOIL	CHECKED BY	
NO. OF TESTED	3	APPROVAL BY	
ELEVATION	LAYER 1	CALIBRATION (Lbs/Div)	2.508
COORDINATE	X: , Y:	STANDARD OF TESTED	A.S.T.M

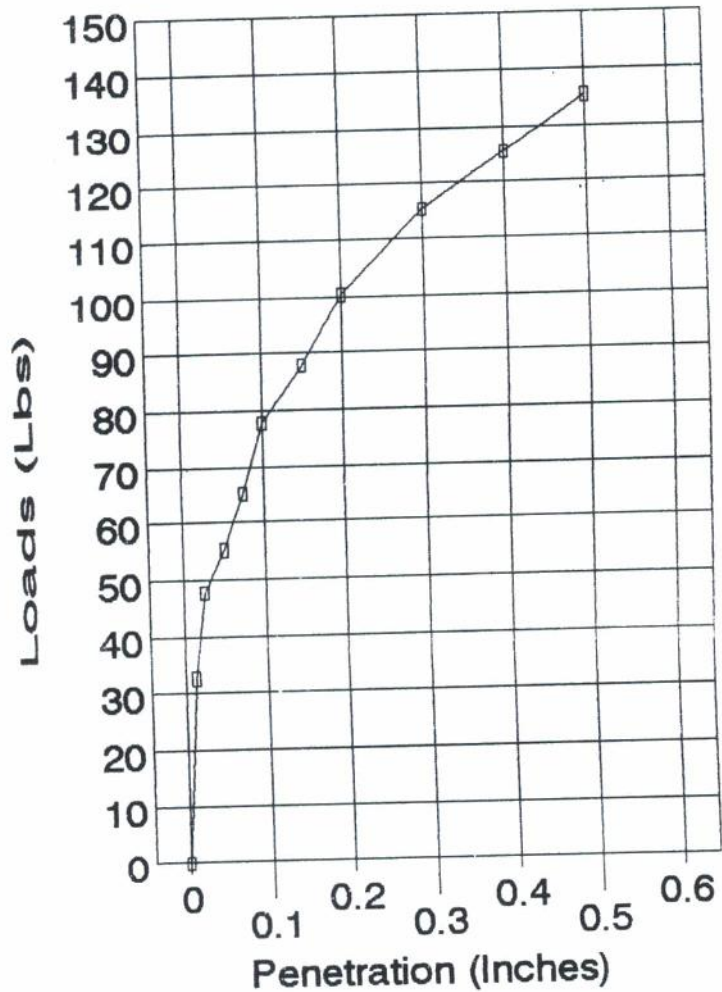
Time minute	Penetration (Inch)	DIAL LOAD	
		Prov. ring	Load (lbs)
0.00	0.0000	0.00	0.00
0.25	0.0125	13.00	32.60
0.50	0.0250	19.00	47.65
1.00	0.0500	22.00	55.18
1.50	0.0750	26.00	65.21
2.00	0.1000	31.00	77.75
3.00	0.1500	35.00	87.78
4.00	0.2000	40.00	100.32
6.00	0.3000	46.00	115.37
8.00	0.4000	50.00	125.40
10.00	0.5000	54.00	135.43

Field Water Content (%)

ITEMS	Quantities	units
1. Weight of container	26.30	Grm
2. Weight of Wet soil + 1	126.30	Grm
3. Weight of Dry soil + 1	105.85	Grm
4. Water Content (%)	26.03	%
	24.45	

C.B.R VALUE (%)

	Penetration	
	0.1 inch	0.2 inch
C.B.R VALUE (%)	2.592	2.229



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CALIFORNIA BEARING RATIO FIELD TEST

PROJECT	PEMATANGAN LAHAN CILINCING - DAN SUKAPURA	DATE OF TESTED	SEPTEMBER 2 1995
LOCATION	SUKAPURA	TESTED BY	NANA S
TYPE OF MATERIAL	SOIL	CHECKED BY	
NO. OF TESTED	4	APPROVAL BY	
ELEVATION	LAYER 1	CALIBRATION (Lbs/Div)	2.508
COORDINATE	X : Y :	STANDARD OF TESTED	A.S.T.M

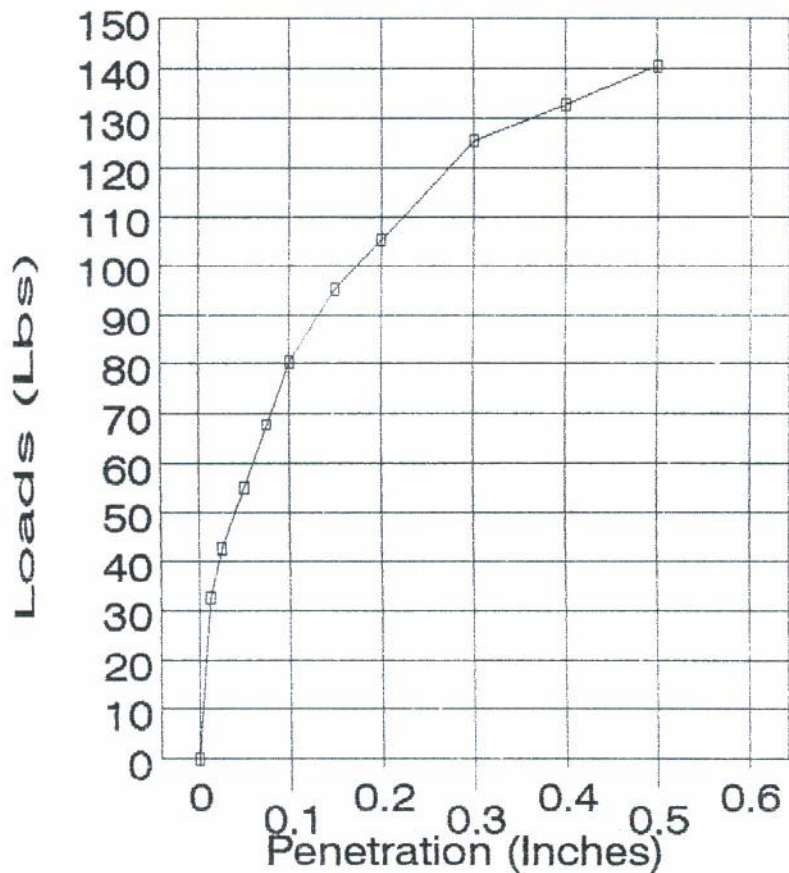
Time minute	Penetration (Inch)	DIAL LOAD	
		Prov. ring	Load (lbs)
0.00	0.0000	0.00	0.00
0.25	0.0125	13.00	32.60
0.50	0.0250	17.00	42.64
1.00	0.0500	22.00	56.18
1.50	0.0750	27.00	67.72
2.00	0.1000	32.00	80.26
3.00	0.1500	38.00	95.30
4.00	0.2000	42.00	105.34
6.00	0.3000	50.00	125.40
8.00	0.4000	53.00	132.92
10.00	0.5000	56.00	140.45

Field Water Content (%)

ITEMS	Quantities	units
1. Weight of container	26.00	Grm
2. Weight of Wet soil + 1	126.00	Grm
3. Weight of Dry soil + 1	104.65	Grm
4. Water Content (%)	27.14	%

C.B.R VALUE (%)

	Penetration	
	0.1 inch	0.2 inch
C.B.R VALUE (%)	2.675	2.341



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 Kampus ISTN Bumi Srengseng Teip. 7270092, Fax. 7270090

CALIFORNIA BEARING RATIO FIELD TEST

PROJECT	PEMATANGAN LAHAN CIUNGING - DAN SUKAPURA	DATE OF TESTED	SEPTEMBER 2 1996.
LOCATION	SUKAPURA	TESTED BY	NANA S
TYPE OF MATERIAL	SOIL	CHECKED BY	
NO. OF TESTED	5	APPROVAL BY	
ELEVATION	LAYER 1	CALIBRATION (Lbs/Div)	2.508
COORDINATE	X : , Y :	STANDARD OF TESTED	A.S.T.M

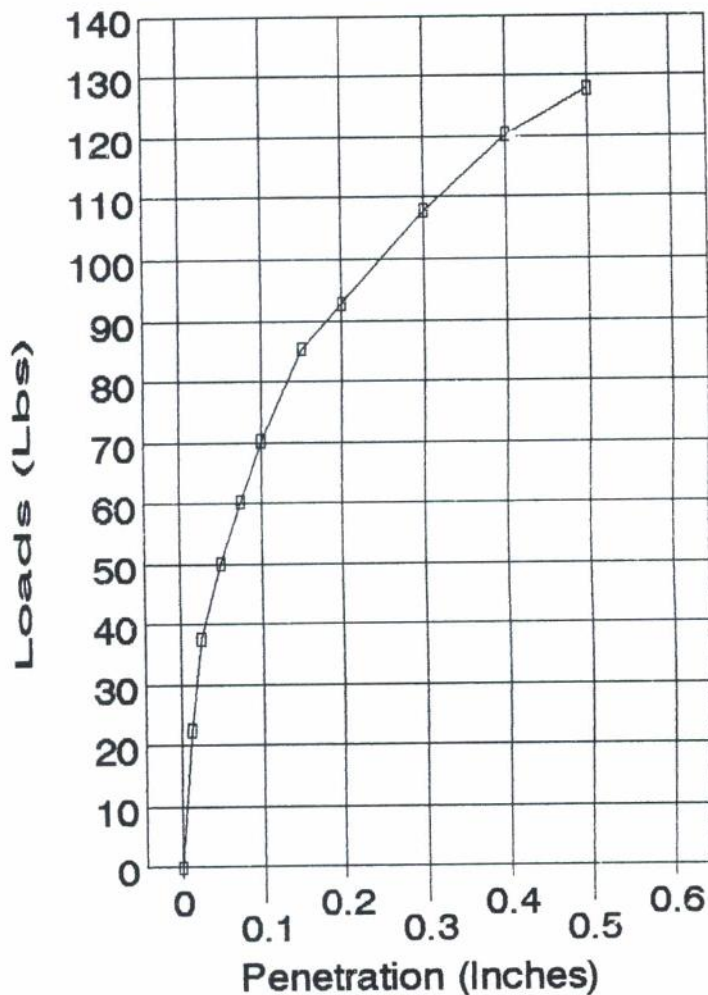
Time minutes	Penetration (Inch)	DIAL LOAD	
		Proving	Load (lbs)
0.00	0.0000	0.00	0.00
0.25	0.0125	9.00	22.57
0.50	0.0250	15.00	37.62
1.00	0.0500	20.00	50.16
1.50	0.0750	24.00	60.19
2.00	0.1000	28.00	70.22
3.00	0.1500	34.00	85.27
4.00	0.2000	37.00	92.80
6.00	0.3000	43.00	107.84
8.00	0.4000	46.00	120.38
10.00	0.5000	51.00	127.91

Field Water Content (%)

ITEMS	Quantities	units
1. Weight of container	25.40	Grm
2. Weight of Wet soil + 1	125.40	Grm
3. Weight of Dry soil + 1	104.33	Grm
4. Water Content (%)	26.68	%

C.B.R VALUE (%)

	Penetration	
	0.1 Inch	0.2 Inch
C.B.R VALUE (%)	2.341	2.062



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CALIFORNIA BEARING RATIO FIELD TEST

PROJECT	PEMATANGAN LAHAN CILINCING - DAN SUKAPURA	DATE OF TESTED	SEPTEMBER 2 1995
LOCATION	SUKAPURA	TESTED BY	NANA S
TYPE OF MATERIAL	SOIL	CHECKED BY	
NO. OF TESTED	6	APPROVAL BY	
ELEVATION	LAYER 1	CALIBRATION (Lbs/Div)	2.508
COORDINATE	X: , Y:	STANDARD OF TESTED	A.S.T.M

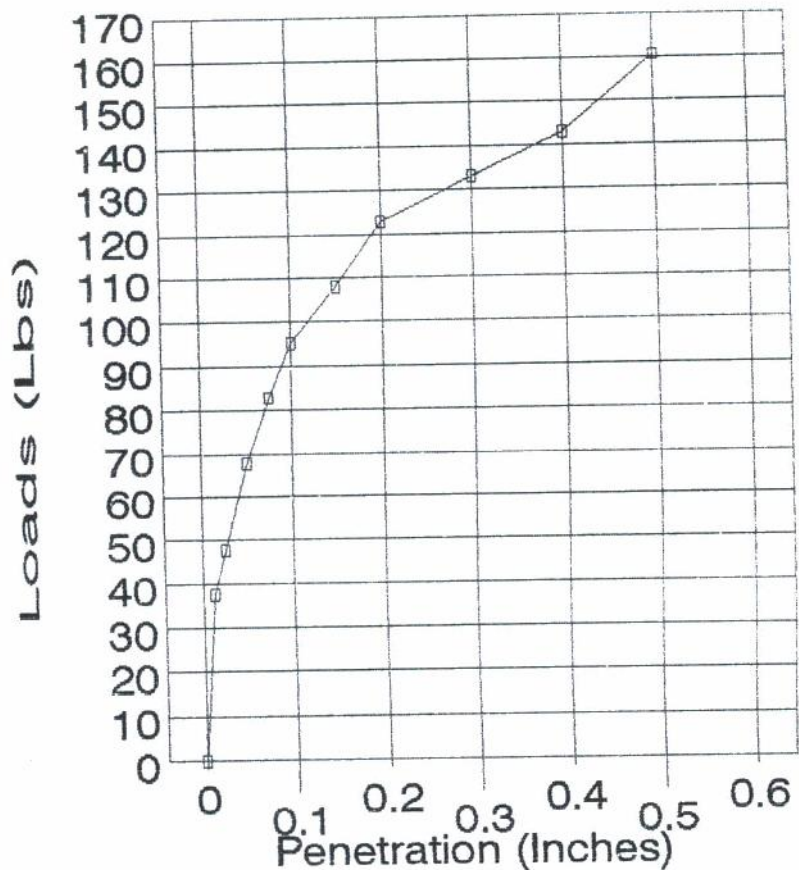
Time minute	Penetration (Inch)	DIAL LOAD	
		Proving	Load (lbs)
0.00	0.0000	0.00	0.00
0.25	0.0125	15.00	37.62
0.50	0.0250	19.00	47.65
1.00	0.0500	27.00	67.72
1.50	0.0750	33.00	82.76
2.00	0.1000	38.00	95.30
3.00	0.1500	43.00	107.84
4.00	0.2000	49.00	122.89
6.00	0.3000	53.00	132.92
8.00	0.4000	57.00	142.96
10.00	0.5000	64.00	160.51

Field Water Content (%)

ITEMS	Quantities	units
1. Weight of container	23.00	Grm
2. Weight of Wet soil + 1	123.00	Grm
3. Weight of Dry soil + 1	102.65	Grm
4. Water Content (%)	25.54	%

C.B.R VALUE (%)

	Penetration	
	0.1 inch	0.2 inch
C.B.R VALUE (%)	3.177	2.731



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CALIFORNIA BEARING RATIO FIELD TEST

PROJECT	PEMATANGAN LAHAN CIJUNGING - DAN SUKAPURA	DATE OF TESTED	SEPTEMBER 2 1995.
LOCATION	SUKAPURA	TESTED BY	NANA S
TYPE OF MATERIAL	SOIL	CHECKED BY	
NO. OF TESTED	7	APPROVAL BY	
ELEVATION	LAYER 1	CALIBRATION (Lbs/Div)	2.508
COORDINATE	X: , Y:	STANDARD OF TESTED	A.S.T.M

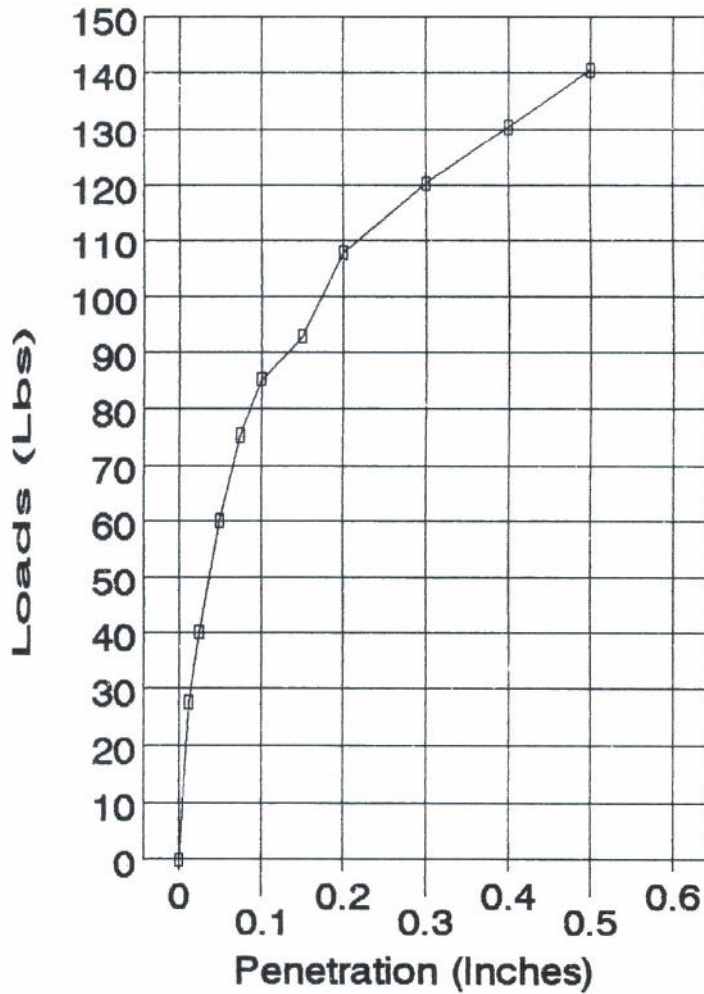
Time minute	Penetration (Inch)	DIAL LOAD	
		Proving	Load (lbs)
0.00	0.0000	0.00	0.00
0.25	0.0125	11.00	27.50
0.50	0.0250	16.00	40.13
1.00	0.0500	24.00	60.19
1.50	0.0750	30.00	75.24
2.00	0.1000	34.00	85.27
3.00	0.1500	37.00	92.80
4.00	0.2000	43.00	107.84
6.00	0.3000	48.00	120.38
8.00	0.4000	52.00	130.42
10.00	0.5000	56.00	140.45

Field Water Content (%)

ITEMS	Quantities	units
1. Weight of container	26.00	Grm
2. Weight of Wet soil + 1	126.00	Grm
3. Weight of Dry soil + 1	105.55	Grm
4. Water Content (%)	25.71	%

C.B.R VALUE (%)

	Penetration	
	0.1 inch	0.2 inch
C.B.R VALUE (%)	2.842	2.397



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CALIFORNIA BEARING RATIO FIELD TEST

PROJECT	PEMATANGAN LAHAN CILINCING - DAN SUKAPURA	DATE OF TESTED	SEPTEMBER 2 1995
LOCATION	SUKAPURA	TESTED BY	NANA S
TYPE OF MATERIAL	SOIL	CHECKED BY	
NO. OF TESTED	8	APPROVAL BY	
ELEVATION	LAYER 1	CALIBRATION (Lbs/Div)	2.508
COORDINATE	X : Y :	STANDARD OF TESTED	A.S.T.M

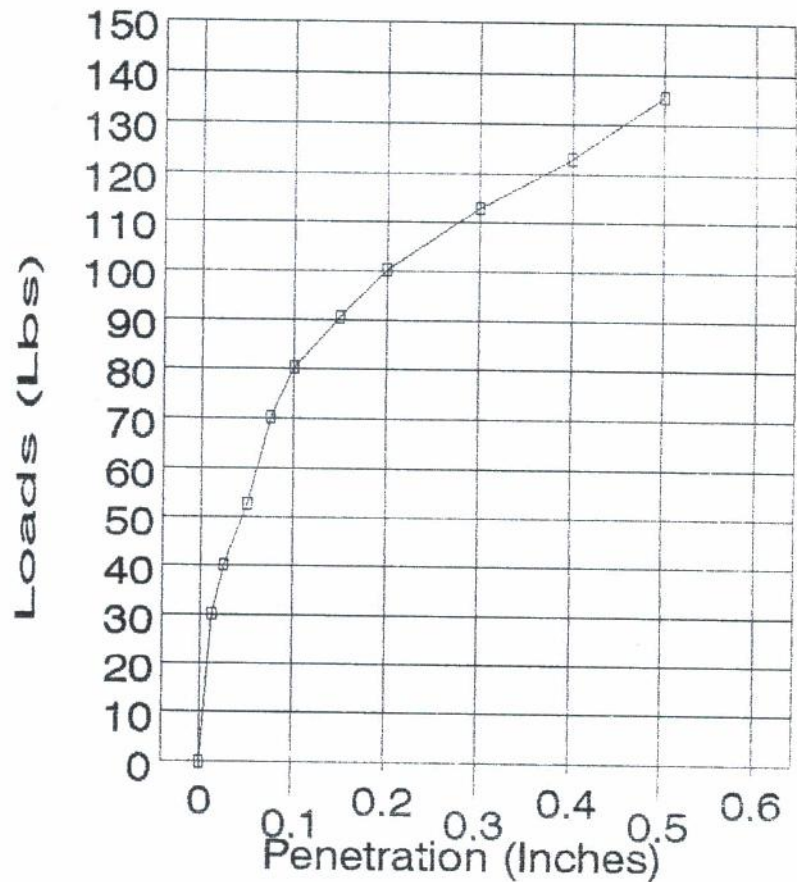
Time minute	Penetration (inch)	DIAL LOAD	
		Prov. ring	Load (lbs)
0.00	0.0000	0.00	0.00
0.25	0.0125	12.00	30.10
0.50	0.0250	16.00	40.13
1.00	0.0500	21.00	52.67
1.50	0.0750	28.00	70.22
2.00	0.1000	32.00	80.26
3.00	0.1500	36.00	90.29
4.00	0.2000	40.00	100.32
6.00	0.3000	45.00	112.86
8.00	0.4000	49.00	122.89
10.00	0.5000	54.00	135.43

Field Water Content (%)

ITEMS	Quantities	units
1. Weight of container	21.50	Grm
2. Weight of Wet soil + 1	121.50	Grm
3. Weight of Dry soil + 1	99.52	Grm
4. Water Content (%)	28.17	%

C.B.R VALUE (%)

	Penetration	
	0.1 inch	0.2 inch
C.B.R VALUE (%)	2.676	2.229



LABORATORIUM MEKANIKA TANAH
JURUSAN TEKNIK SIPIL - FTSP.
INSTITUT SAINS DAN TEKNOLOGI NASIONAL - JAKARTA
 Kampus ISTN Bhumi Srengseng Telp. 7270092, Fax. 7270090

CALIFORNIA BEARING RATIO FIELD TEST

PROJECT	PEMATANGAN LAHAN CIJUNING - DAN SUKAPURA	DATE OF TESTED	SEPTEMBER 1 1995.
LOCATION	SUKAPURA	TESTED BY	NANA S
TYPE OF MATERIAL	SOIL	CHECKED BY	
NO. OF TESTED	1	APPROVAL BY	
ELEVATION	TOP LAYER	CALIBRATION (Lbs/Div)	2.508
COORDINATE	X : , Y :	STANDARD OF TESTED	A.S.T.M

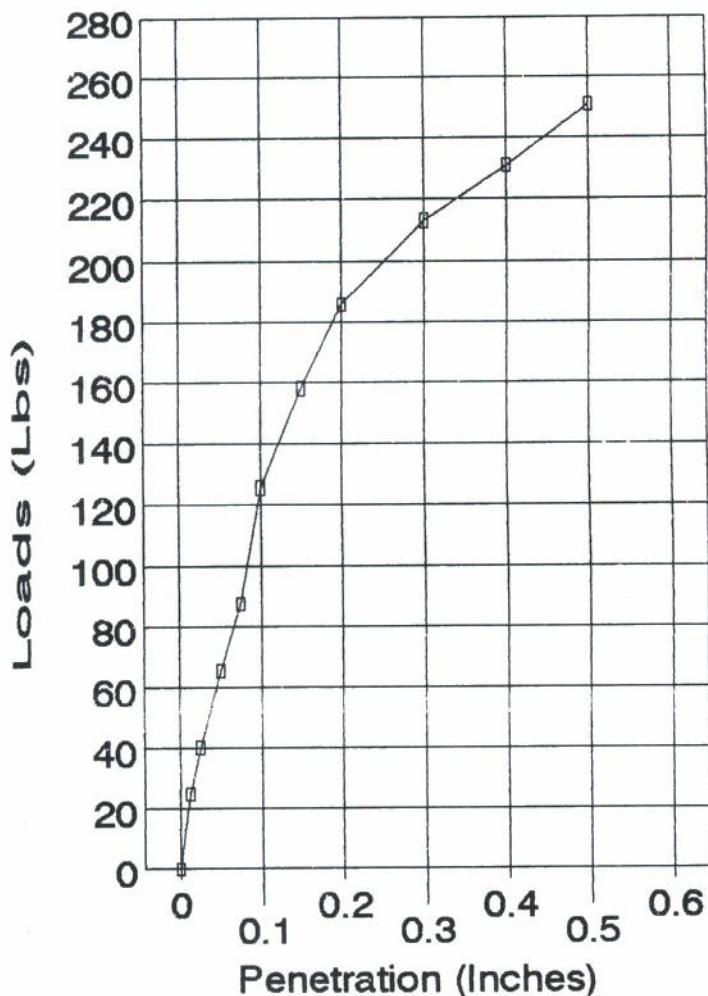
Time minutes	Penetration (inch)	DIAL LOAD	
		Prov.ring	Load (lbs)
0.00	0.0000	0.00	0.00
0.25	0.0125	10.00	25.08
0.50	0.0250	16.00	40.13
1.00	0.0500	26.00	65.21
1.50	0.0750	35.00	87.78
2.00	0.1000	50.00	125.40
3.00	0.1500	63.00	158.00
4.00	0.2000	74.00	185.59
6.00	0.3000	85.00	213.18
8.00	0.4000	92.00	230.74
10.00	0.5000	100.00	250.80

Field Water Content (%)

ITEMS	Quantities	units
1. Weight of container	23.50	Grm
2. Weight of Wet soil + 1	123.50	Grm
3. Weight of Dry soil + 1	101.50	Grm
4. Water Content (%)	28.21	%

C.B.R VALUE (%)

	Penetration	
	0.1 inch	0.2 inch
C.B.R VALUE (%)	4.180	4.124



LABORATORIUM MEKANIKA TANAH
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INSTITUT SAINS DAN TEKNOLOGI NASIONAL - JAKARTA
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CALIFORNIA BEARING RATIO FIELD TEST

PROJECT	PEMATANGAN LAHAN CILINCING - DAN SUKAPURA	DATE OF TESTED	SEPTEMBER 1 1995.
LOCATION	SUKAPURA	TESTED BY	NANA S
TYPE OF MATERIAL	SOIL	CHECKED BY	
NO. OF TESTED	2	APPROVAL BY	
ELEVATION	TOP LAYER	CALIBRATION (Lbs/Div)	2.508
COORDINATE	X : , Y :	STANDARD OF TESTED	A.S.T.M

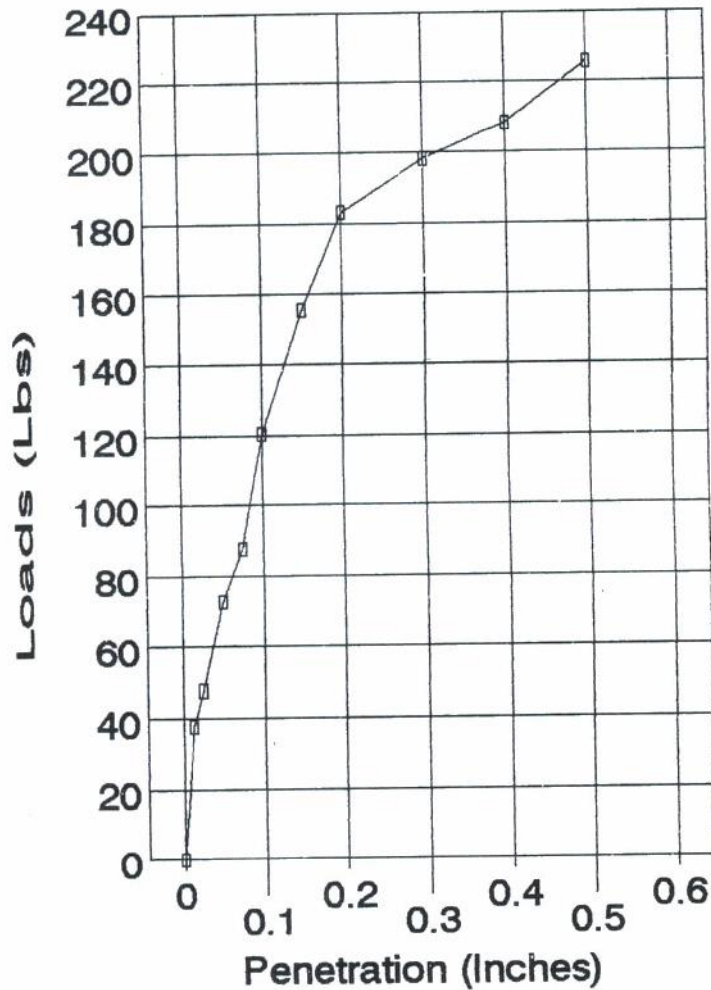
Time minute	Penetration (Inch)	DIAL LOAD	
		Prev. ring	Load (lbs)
0.00	0.0000	0.00	0.00
0.25	0.0125	15.00	37.82
0.50	0.0250	19.00	47.85
1.00	0.0500	29.00	72.73
1.50	0.0750	35.00	87.78
2.00	0.1000	48.00	120.38
3.00	0.1500	62.00	155.50
4.00	0.2000	73.00	183.08
8.00	0.3000	79.00	198.13
8.00	0.4000	83.00	208.16
10.00	0.5000	90.00	225.72

Field Water Content (%)

ITEMS	Quantities	units
1. Weight of container	22.00	Grm
2. Weight of Wet soil + 1	122.00	Grm
3. Weight of Dry soil + 1	104.00	Grm
4. Water Content (%)	21.95	%

C.B.R VALUE (%)

	Penetration	
	0.1 inch	0.2 Inch
C.B.R VALUE (%)	4.013	4.069



LABORATORIUM MEKANIKA TANAH
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CALIFORNIA BEARING RATIO FIELD TEST

PROJECT	PEMATANGAN LAHAN CILINCING - DAN SUKAPURA	DATE OF TESTED	SEPTEMBER 1 1995.
LOCATION	SUKAPURA	TESTED BY	NANA S
TYPE OF MATERIAL	SOIL	CHECKED BY	
NO. OF TESTED	3	APPROVAL BY	
ELEVATION	TOP LAYER	CALIBRATION (Lbs/Div)	2.508
COORDINATE	X: , Y:	STANDARD OF TESTED	A.S.T.M

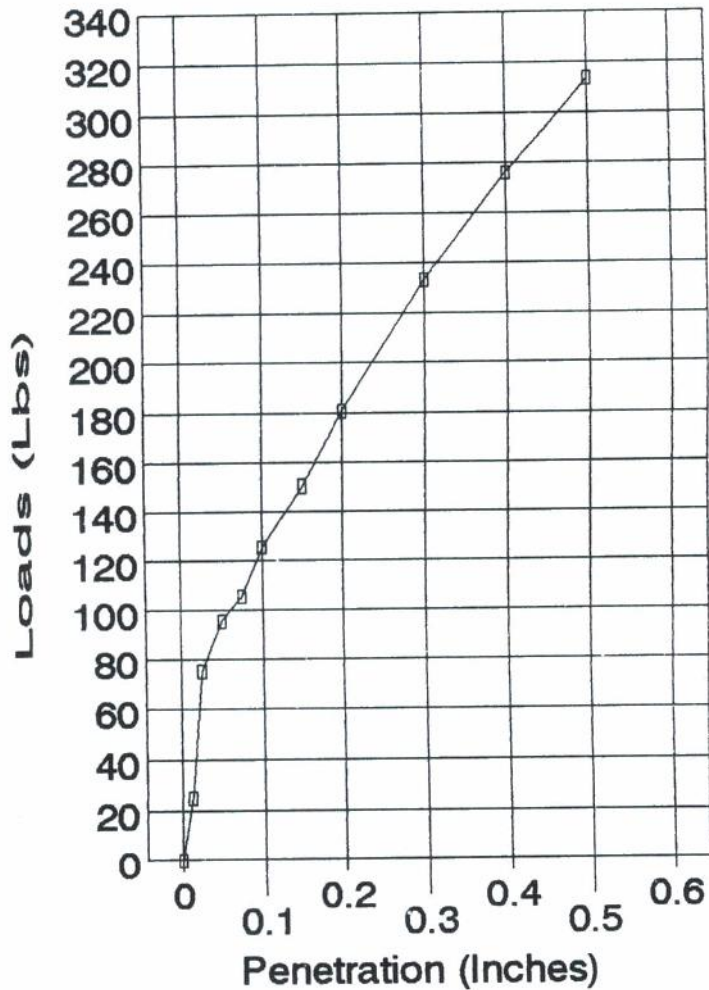
Time minute	Penetration (Inch)	DIAL LOAD	
		Proving	Load (Lbs)
0.00	0.0000	0.00	0.00
0.25	0.0125	10.00	25.08
0.50	0.0250	30.00	75.24
1.00	0.0500	38.00	95.30
1.50	0.0750	42.00	105.34
2.00	0.1000	50.00	125.40
3.00	0.1500	60.00	150.48
4.00	0.2000	72.00	180.56
6.00	0.3000	93.00	233.24
8.00	0.4000	110.00	275.88
10.00	0.5000	125.00	313.50

Field Water Content (%)

ITEMS	Quantities	units
1. Weight of container	20.00	Grm
2. Weight of Wet soil + 1	120.00	Grm
3. Weight of Dry soil + 1	100.50	Grm
4. Water Content (%)	24.22	%

C.B.R VALUE (%)

	Penetration	
	0.1 inch	0.2 inch
C.B.R VALUE (%)	4.180	4.013



LABORATORIUM MEKANIKA TANAH
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CALIFORNIA BEARING RATIO FIELD TEST

PROJECT	PEMATANGAN LAHAN CIJUNGING - DAN SUKAPURA	DATE OF TESTED	SEPTEMBER 1 1995.
LOCATION	SUKAPURA	TESTED BY	NANA S
TYPE OF MATERIAL	SOIL	CHECKED BY	
NO. OF TESTED	4	APPROVAL BY	
ELEVATION	TOP LAYER	CALIBRATION (Lbs/Div)	2.508
COORDINATE	X : , Y :	STANDARD OF TESTED	A.S.T.M

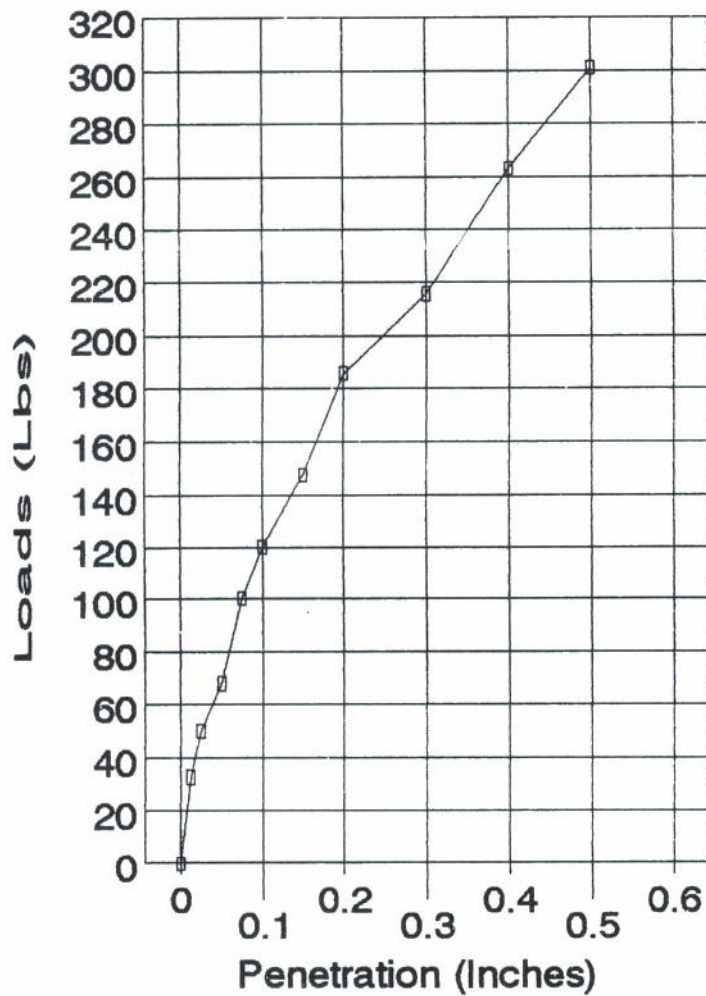
Time minutes	Penetration (Inch)	DIAL LOAD	
		Proving Load (lbs)	Load (lbs)
0.00	0.0000	0.00	0.00
0.25	0.0125	13.00	32.60
0.50	0.0250	20.00	50.16
1.00	0.0500	27.00	67.72
1.50	0.0750	40.00	100.32
2.00	0.1000	48.00	120.38
3.00	0.1500	58.00	147.97
4.00	0.2000	74.00	185.59
6.00	0.3000	86.00	215.69
8.00	0.4000	105.00	263.34
10.00	0.5000	120.00	300.96

Moisture Content (%)

ITEMS	Quantities	units
Weight of container	21.50	Grm
Weight of Wet soil + 1	121.50	Grm
Weight of Dry soil + 1	101.00	Grm
Water Content (%)	25.79	%

C.B.R VALUE (%)

	Penetration	
	0.1 inch	0.2 inch
C.B.R VALUE (%)	4.013	4.124



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CALIFORNIA BEARING RATIO FIELD TEST

PROJECT	PEMATANGAN LAHAN CILINCING - DAN SUKAPURA	DATE OF TESTED	SEPTEMBER 1 1995.
LOCATION	SUKAPURA	TESTED BY	NANA S
TYPE OF MATERIAL	SOIL	CHECKED BY	
NO. OF TESTED	5	APPROVAL BY	
ELEVATION	TOP LAYER	CALIBRATION (Lbs/Div)	2.508
COORDINATE	X: , Y:	STANDARD OF TESTED	A.S.T.M

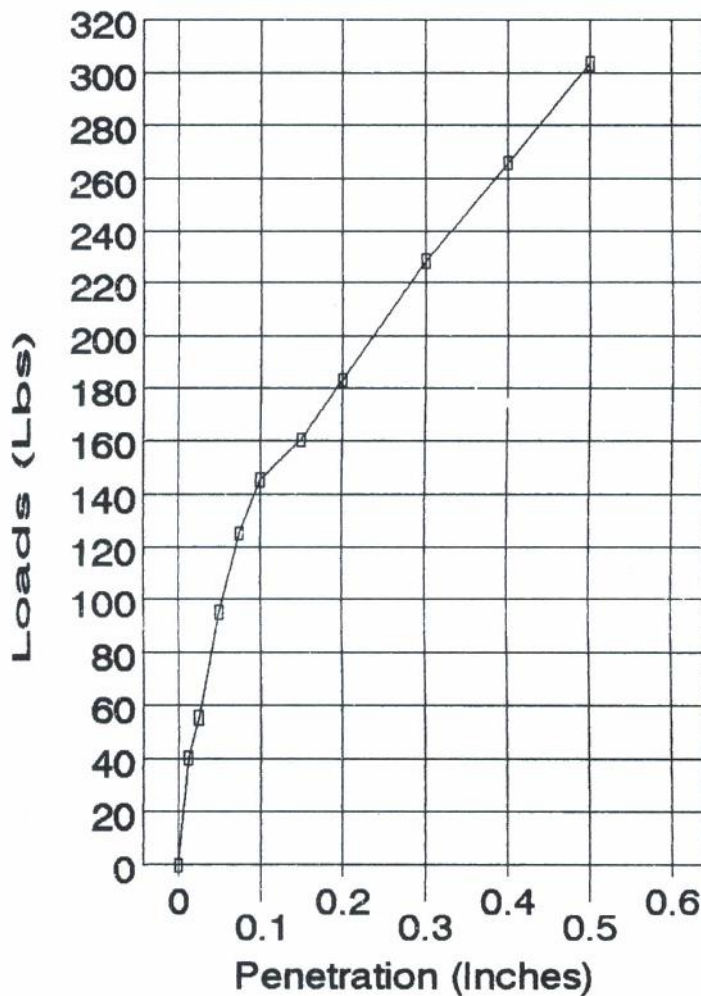
Time minutes	Penetration (inch)	DIAL LOAD	
		Proving	Load (lb)
0.00	0.0000	0.00	0.00
0.25	0.0125	16.00	40.13
0.50	0.0250	22.00	55.18
1.00	0.0500	38.00	95.30
1.50	0.0750	50.00	125.40
2.00	0.1000	58.00	145.46
3.00	0.1500	64.00	160.51
4.00	0.2000	73.00	183.08
6.00	0.3000	91.00	228.23
8.00	0.4000	106.00	265.85
10.00	0.5000	121.00	303.47

Field Water Content (%)

ITEMS	Quantities	units
Weight of container	18.00	Grm
Weight of Wet soil + 1	118.00	Grm
Weight of Dry soil + 1	96.80	Grm
Water Content (%)	26.90	%

B.R VALUE (%)

	Penetration	
	0.1 inch	0.2 inch
B.R VALUE (%)	4.840	4.069



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CALIFORNIA BEARING RATIO FIELD TEST

PROJECT	PEMATANGAN LAHAN CIJUNGING - DAN SUKAPURA	DATE OF TESTED	SEPTEMBER 1 1995.
LOCATION	SUKAPURA	TESTED BY	NANA S
TYPE OF MATERIAL	SOIL	CHECKED BY	
NO. OF TESTED	8	APPROVAL BY	
ELEVATION	TOP LAYER	CALIBRATION (Lbs/Div)	2.508
COORDINATE	X: , Y:	STANDARD OF TESTED	A.S.T.M

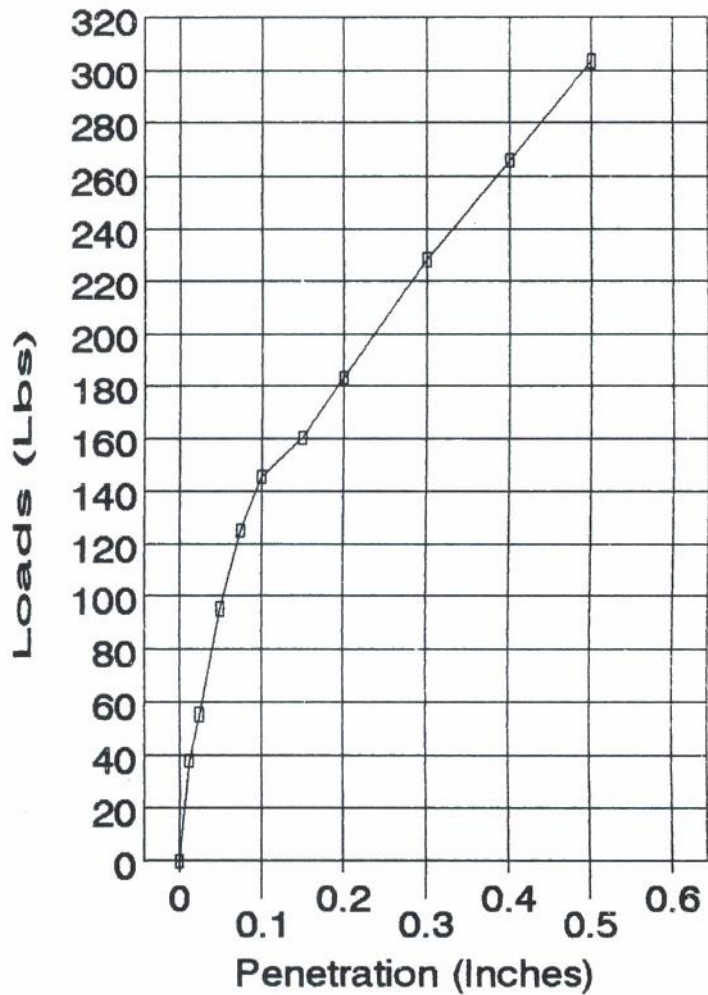
Time minutes	Penetration (inch)	DIAL LOAD	
		Proving	Load (lbs)
0.00	0.0000	0.00	0.00
0.25	0.0125	15.00	37.62
0.50	0.0250	22.00	55.18
1.00	0.0500	38.00	95.30
1.50	0.0750	50.00	125.40
2.00	0.1000	58.00	145.46
3.00	0.1500	64.00	160.51
4.00	0.2000	73.00	183.08
6.00	0.3000	91.00	228.23
8.00	0.4000	106.00	265.85
10.00	0.5000	121.00	303.47

Field Water Content (%)

ITEMS	Quantities	units
Weight of container	19.00	Grm
Weight of Wet soil + 1	119.00	Grm
Weight of Dry soil + 1	99.20	Grm
Water Content (%)	24.68	%

C.B.R VALUE (%)

	Penetration	
	0.1 Inch	0.2 Inch
C.B.R VALUE (%)	4.849	4.069



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CALIFORNIA BEARING RATIO FIELD TEST

SUBJECT	PEMATANGAN LAHAN CIUNGING - DAN SUKAPURA	DATE OF TESTED	SEPTEMBER 1 1995.
LOCATION	SUKAPURA	TESTED BY	NANA S
TYPE OF MATERIAL	SOIL	CHECKED BY	
NO. OF TESTED	7	APPROVAL BY	
ELEVATION	TOP LAYER	CALIBRATION (Lbs/Div)	2.508
COORDINATE	X : , Y :	STANDARD OF TESTED	A.S.T.M

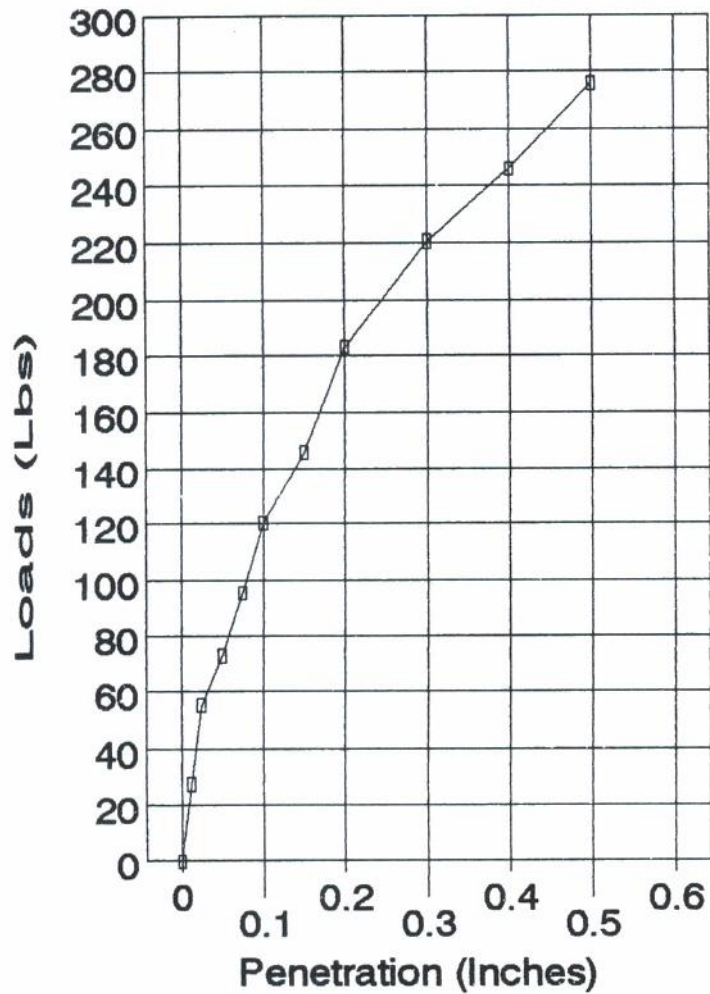
Time minute	Penetration (inch)	DIAL LOAD	
		Proving	Load (lbs)
0.00	0.0000	0.00	0.00
0.25	0.0125	11.00	27.59
0.50	0.0250	22.00	55.18
1.00	0.0500	29.00	72.73
1.50	0.0750	38.00	95.30
2.00	0.1000	48.00	120.38
3.00	0.1500	58.00	145.46
4.00	0.2000	73.00	183.08
6.00	0.3000	88.00	220.70
8.00	0.4000	98.00	245.78
10.00	0.5000	110.00	275.88

Field Water Content (%)

ITEMS	Quantities	units
Weight of container	25.00	Grm
Weight of Wet soil + 1	125.00	Grm
Weight of Dry soil + 1	101.60	Grm
Water Content (%)	30.51	%

C.B.R VALUE (%)

	Penetration	
	0.1 inch	0.2 inch
C.B.R VALUE (%)	4.013	4.069



LABORATORIUM MEKANIKA TANAH
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CALIFORNIA BEARING RATIO FIELD TEST

OBJECT	PEMATANGAN LAHAN CIUNGING - DAN SUKAPURA	DATE OF TESTED	SEPTEMBER 1 1995.
LOCATION	SUKAPURA	TESTED BY	NANA S
TYPE OF MATERIAL	SOIL	CHECKED BY	
NO. OF TESTED	8	APPROVAL BY	
ELEVATION	TOP LAYER	CALIBRATION (Lbs/Div)	2.508
COORDINATE	X: , Y:	STANDARD OF TESTED	A.S.T.M

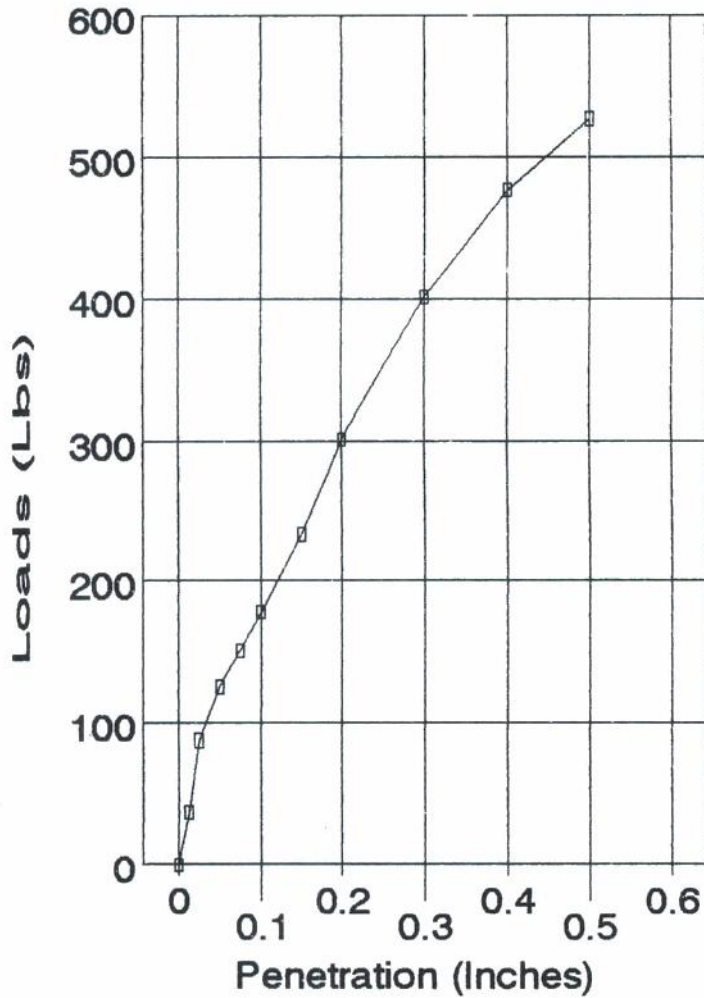
Time Minute	Penetration (Inch)	DIAL LOAD	
		Proving Load (lbs)	Load (lbs)
0.00	0.0000	0.00	0.00
0.25	0.0125	15.00	37.62
0.50	0.0250	35.00	87.78
1.00	0.0500	50.00	125.40
1.50	0.0750	60.00	150.48
2.00	0.1000	71.00	178.07
3.00	0.1500	93.00	233.24
4.00	0.2000	120.00	300.96
6.00	0.3000	160.00	401.28
8.00	0.4000	190.00	476.52
10.00	0.5000	210.00	526.68

Moisture Content (%)

ITEMS	Quantity	units
Weight of container	24.50	Grm
Weight of Wet soil + 1	124.50	Grm
Weight of Dry soil + 1	105.90	Grm
Water Content (%)	22.85	%

B.R VALUE (%)

	Penetration	
	0.1 inch	0.2 inch
B.R VALUE (%)	5.936	6.688



LABORATORIUM MEKANIKA TANAH
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CALIFORNIA BEARING RATIO FIELD TEST

PROJECT	PEMATANGAN LAHAN CIUNGING - DAN SUKAPURA	DATE OF TESTED	SEPTEMBER 1 1995.
LOCATION	SUKAPURA	TESTED BY	NANA S
TYPE OF MATERIAL	SOIL	CHECKED BY	
NO. OF TESTED	9	APPROVAL BY	
ELEVATION	TOP LAYER	CALIBRATION (Lbs/Div)	2.509
COORDINATE	X : Y :	STANDARD OF TESTED	A.B.T.M

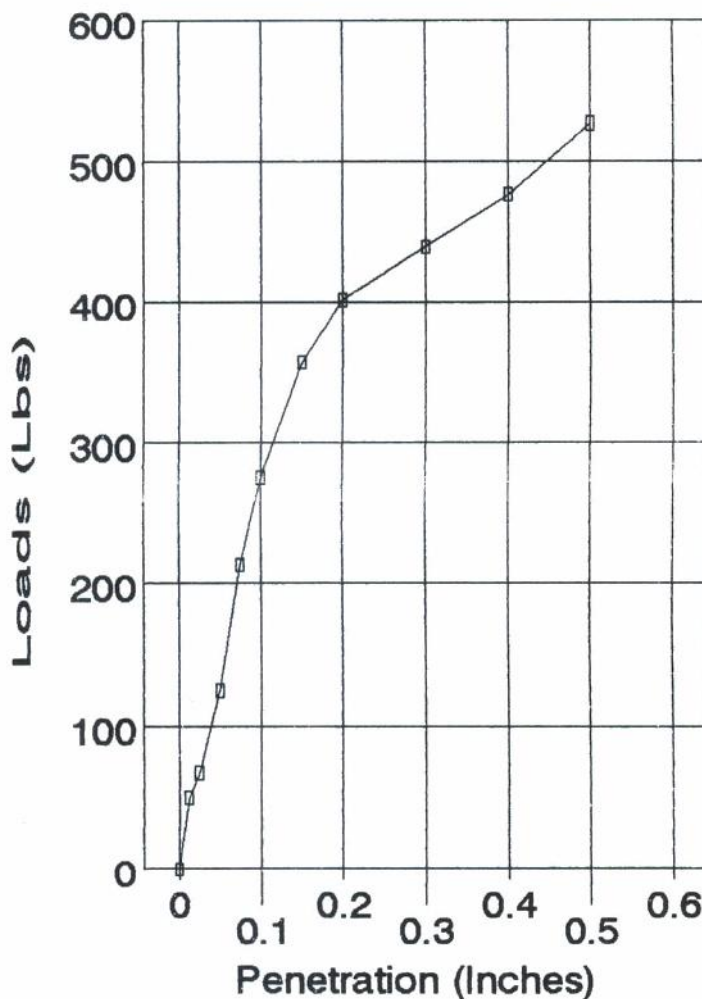
Time Minute	Penetration (Inch)	DIAL LOAD	
		Proving	Load (lbs)
0.00	0.0000	0.00	0.00
0.25	0.0125	20.00	50.18
0.50	0.0250	27.00	67.72
1.00	0.0500	50.00	125.40
1.50	0.0750	85.00	213.18
2.00	0.1000	110.00	275.88
3.00	0.1500	142.00	356.14
4.00	0.2000	180.00	401.28
6.00	0.3000	175.00	438.90
8.00	0.4000	190.00	476.52
10.00	0.5000	210.00	526.68

Moisture Content (%)

ITEMS	Quantities	units
Weight of container	23.20	Grm
Weight of Wet soil + 1	123.20	Grm
Weight of Dry soil + 1	103.60	Grm
Water Content (%)	24.37	%

C.B.R VALUE (%)

	Penetration	
	0.1 Inch	0.2 Inch
C.B.R VALUE (%)	9.196	8.917



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CALIFORNIA BEARING RATIO FIELD TEST

PROJECT	PEMATANGAN LAHAN CIJINCING - DAN SUKAPURA	DATE OF TESTED	SEPTEMBER 1 1995.
LOCATION	SUKAPURA	TESTED BY	NANA S
TYPE OF MATERIAL	SOIL	CHECKED BY	
NO. OF TESTED	10	APPROVAL BY	
ELEVATION	TOP LAYER	CALIBRATION (Lb/Div)	2.508
COORDINATE	X : Y :	STANDARD OF TESTED	A.S.T.M

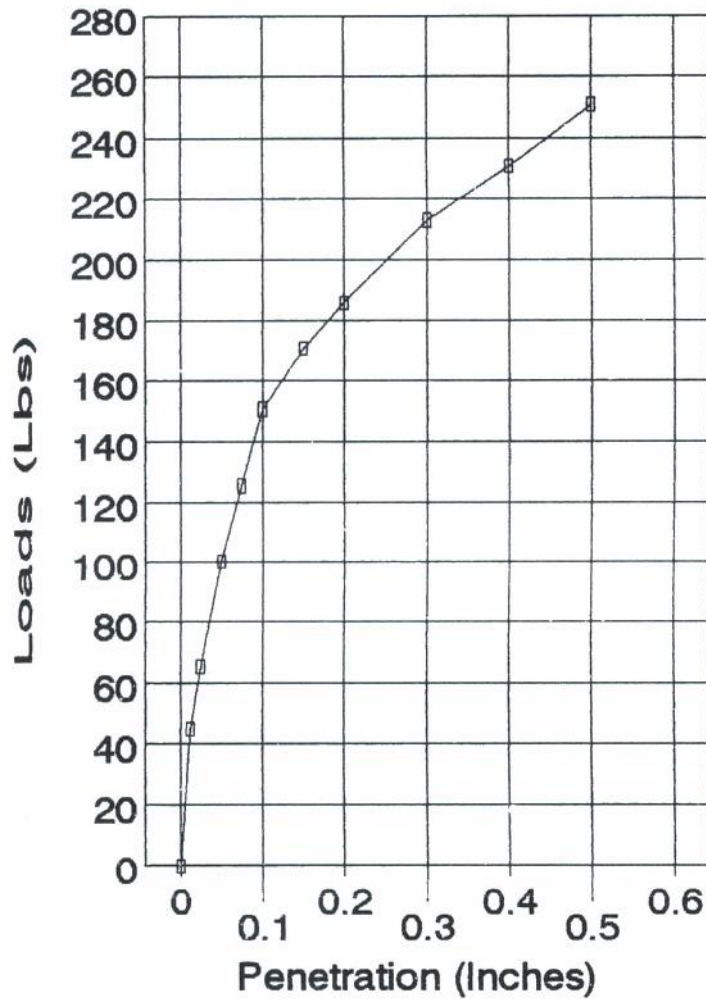
Time Minute	Penetration (Inch)	DIAL LOAD	
		Proving	Load (Lbs)
0.00	0.0000	0.00	0.00
0.25	0.0125	18.00	45.14
0.50	0.0250	26.00	65.21
1.00	0.0500	40.00	100.32
1.50	0.0750	50.00	125.40
2.00	0.1000	60.00	150.48
3.00	0.1500	68.00	170.54
4.00	0.2000	74.00	185.59
6.00	0.3000	85.00	213.18
8.00	0.4000	92.00	230.74
10.00	0.5000	100.00	250.80

Moist Water Content (%)

ITEMS	Quantities	units
Weight of container	26.00	Grm
Weight of Wet soil + 1	126.00	Grm
Weight of Dry soil + 1	107.03	Grm
Water Content (%)	23.41	%

C.B.R VALUE (%)

	Penetration	
	0.1 inch	0.2 Inch
C.B.R VALUE (%)	5.016	4.124



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CALIFORNIA BEARING RATIO FIELD TEST

PROJECT	PEMATANGAN LAHAN CIJUNGING - DAN SUKAPURA	DATE OF TESTED	SEPTEMBER 1 1995.
LOCATION	SUKAPURA	TESTED BY	NANA S
TYPE OF MATERIAL	SOIL	CHECKED BY	
NO. OF TESTED	11	APPROVAL BY	
ELEVATION	TOP LAYER	CALIBRATION (Lbs/Div)	2.508
COORDINATE	X: , Y:	STANDARD OF TESTED	A.S.T.M

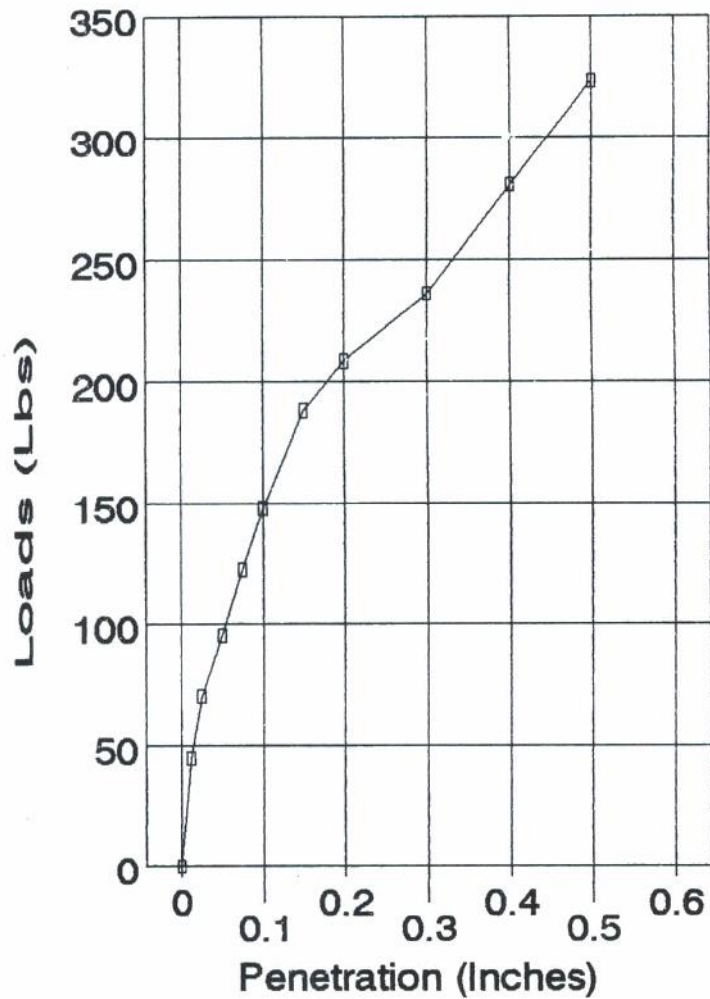
Time minute	Penetration (inch)	DIAL LOAD	
		Proving ring	Load (lbs)
0.00	0.0000	0.00	0.00
0.25	0.0125	18.00	45.14
0.50	0.0250	28.00	70.22
1.00	0.0500	38.00	95.30
1.50	0.0750	49.00	122.89
2.00	0.1000	59.00	147.97
3.00	0.1500	75.00	188.10
4.00	0.2000	83.00	208.16
6.00	0.3000	94.00	235.75
8.00	0.4000	112.00	280.90
10.00	0.5000	129.00	323.53

Moist Water Content (%)

ITEMS	Quantities	units
Weight of container	24.00	Grm
Weight of Wet soil + 1	124.00	Grm
Weight of Dry soil + 1	104.35	Grm
Water Content (%)	24.55	%

B.R VALUE (%)

	Penetration	
	0.1 inch	0.2 inch
B.R VALUE (%)	4.932	4.626



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CALIFORNIA BEARING RATIO FIELD TEST

SUBJECT	PEMATANGAN LAHAN CIJUNGING - DAN SUKAPURA	DATE OF TESTED	SEPTEMBER 1 1986.
LOCATION	SUKAPURA	TESTED BY	NANA S
TYPE OF MATERIAL	SOIL	CHECKED BY	
DEPTH OF TESTED	12	APPROVAL BY	
ELEVATION	TOP LAYER	CALIBRATION (Lbs/Div)	2.508
COORDINATE	X : Y :	STANDARD OF TESTED	A.S.T.M

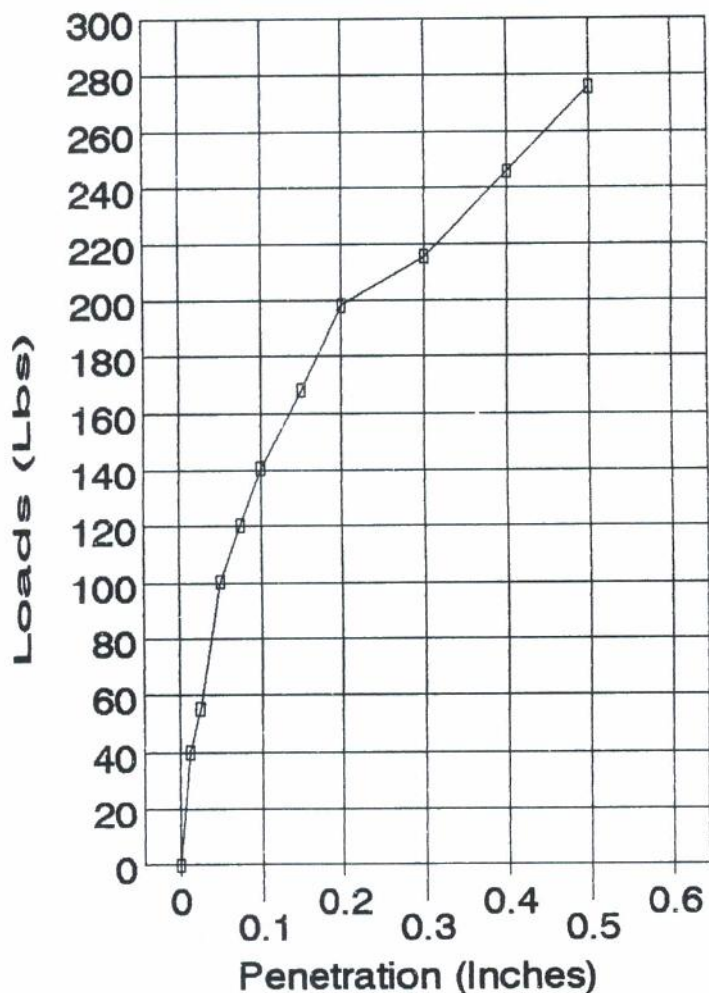
Time minutes	Penetration (Inch)	DIAL LOAD	
		Proving	Load (lbs)
0.00	0.0000	0.00	0.00
0.25	0.0125	16.00	40.13
0.50	0.0250	22.00	55.18
1.00	0.0500	40.00	100.32
1.50	0.0750	48.00	120.38
2.00	0.1000	56.00	140.45
3.00	0.1500	67.00	168.04
4.00	0.2000	79.00	198.13
6.00	0.3000	86.00	215.69
8.00	0.4000	98.00	245.78
10.00	0.5000	110.00	275.88

Moisture Content (%)

ITEMS	Quantities	units
Weight of container	25.00	Grm
Weight of Wet soil + 1	125.00	Grm
Weight of Dry soil + 1	106.03	Grm
Moisture Content (%)	23.41	%

CORRECTION VALUE (%)

	Penetration	
	0.1 inch	0.2 inch
CORRECTION VALUE (%)	4.682	4.403



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CALIFORNIA BEARING RATIO FIELD TEST

PROJECT	PEMATANGAN LAHAN CIUNGING - DAN SUKAPURA	DATE OF TESTED	SEPTEMBER 1 1995.
LOCATION	SUKAPURA	TESTED BY	NANA S
TYPE OF MATERIAL	SOIL	CHECKED BY	
DEPTH OF TESTED	13	APPROVAL BY	
ELEVATION	TOP LAYER	CALIBRATION (Lbs/Div)	2.508
COORDINATE	X: , Y:	STANDARD OF TESTED	A.S.T.M

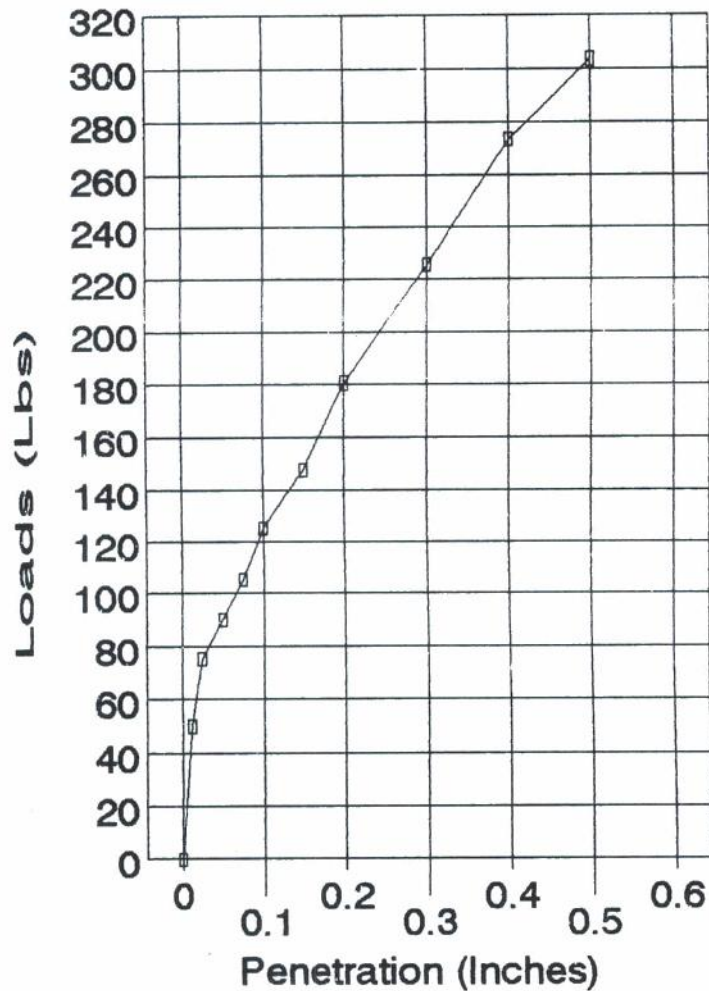
Time minutes	Penetration (Inch)	DIAL LOAD	
		Proving Ring	Load (lbs)
0.00	0.0000	0.00	0.00
0.25	0.0125	20.00	50.18
0.50	0.0250	30.00	75.24
1.00	0.0500	36.00	90.29
1.50	0.0750	42.00	105.34
2.00	0.1000	50.00	125.40
3.00	0.1500	59.00	147.97
4.00	0.2000	72.00	180.58
6.00	0.3000	90.00	225.72
8.00	0.4000	109.00	273.37
10.00	0.5000	121.00	303.47

Moisture Content (%)

ITEMS	Quantities	units
Weight of container	23.00	Grm
Weight of Wet soil + 1	123.00	Grm
Weight of Dry soil + 1	101.94	Grm
Water Content (%)	26.67	%

SHR VALUE (%)

	Penetration	
	0.1 Inch	0.2 Inch
SHR VALUE (%)	4.180	4.013



LABORATORIUM MEKANIKA TANAH
JURUSAN TEKNIK SIPIL - FTSP.
INSTITUT SAINS DAN TEKNOLOGI NASIONAL - JAKARTA
 Kampus ISTN Bumi Srengseng Teip. 7270092, Fax. 7270090

CALIFORNIA BEARING RATIO FIELD TEST

SUBJECT	PEMATANGAN LAHAN CILINCING - DAN SUKAPURA	DATE OF TESTED	SEPTEMBER 1 1995.
LOCATION	SUKAPURA	TESTED BY	NANA S
TYPE OF MATERIAL	SOIL	CHECKED BY	
DEPTH OF TESTED	14	APPROVAL BY	
ELEVATION	TOP LAYER	CALIBRATION (Lbs/Div)	2.508
COORDINATE	X: , Y:	STANDARD OF TESTED	A.S.T.M

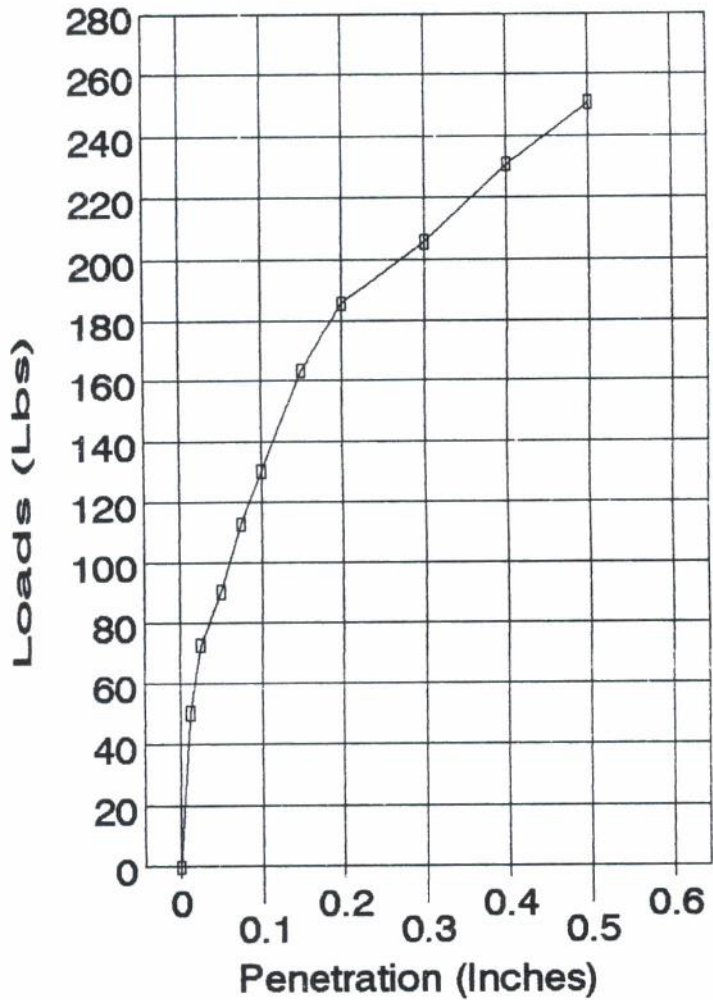
Time minutes	Penetration (inch)	DIAL LOAD	
		Proving	Load (lbs)
0.00	0.0000	0.00	0.00
0.25	0.0125	20.00	50.18
0.50	0.0250	29.00	72.73
1.00	0.0500	36.00	90.29
1.50	0.0750	45.00	112.86
2.00	0.1000	52.00	130.42
3.00	0.1500	65.00	163.02
4.00	0.2000	74.00	185.59
6.00	0.3000	82.00	206.66
8.00	0.4000	92.00	230.74
10.00	0.5000	100.00	250.80

Moisture Content (%)

ITEMS	Quantities	units
Weight of container	21.50	Grm
Weight of Wet soil + 1	121.50	Grm
Weight of Dry soil + 1	101.45	Grm
Water Content (%)	25.07	%

B.R VALUE (%)

	Penetration	
	0.1 inch	0.2 inch
B.R VALUE (%)	4.347	4.124



LABORATORIUM MEKANIKA TANAH
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INSTITUT SAINS DAN TEKNOLOGI NASIONAL - JAKARTA
 Kampus ISTN Bhumi Srengseng Telp. 7270092, Fax. 7270090

CALIFORNIA BEARING RATIO FIELD TEST

SUBJECT	PEMATANGAN LAHAN CILINCING - DAN SUKAPURA	DATE OF TESTED	SEPTEMBER 1 1986.
LOCATION	SUKAPURA	TESTED BY	NANA S
TYPE OF MATERIAL	SOIL	CHECKED BY	
NO. OF TESTED	15	APPROVAL BY	
ELEVATION	TOP LAYER	CALIBRATION (Lbs/Div)	2.508
COORDINATE	X: , Y:	STANDARD OF TESTED	A.S.T.M

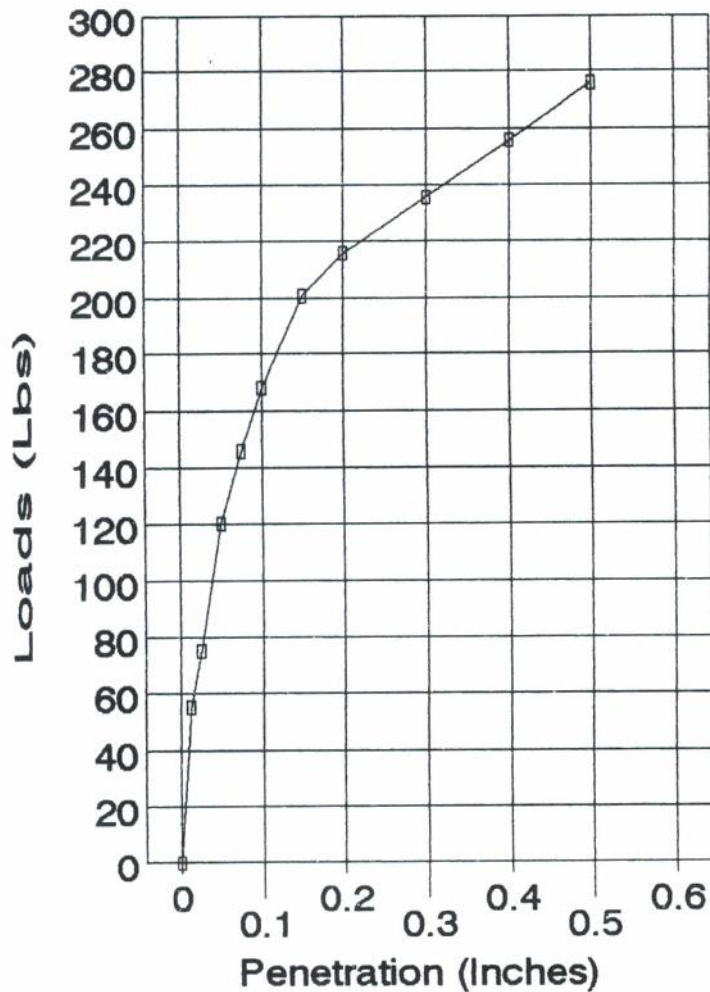
Time Minutes	Penetration (Inch)	DIAL LOAD	
		Proving Ring	Load (lbs)
0.00	0.0000	0.00	0.00
0.25	0.0125	22.00	55.18
0.50	0.0250	30.00	75.24
1.00	0.0500	48.00	120.38
1.50	0.0750	58.00	145.46
2.00	0.1000	67.00	168.04
3.00	0.1500	80.00	200.64
4.00	0.2000	86.00	215.89
6.00	0.3000	94.00	235.75
8.00	0.4000	102.00	255.82
10.00	0.5000	110.00	275.88

Moisture Content (%)

ITEMS	Quantities	units
Weight of container	19.80	Grm
Weight of Wet soil + 1	119.80	Grm
Weight of Dry soil + 1	23.12	Grm
Water Content (%)	30.07	%

CORRECTION VALUE (%)

	Penetration	
	0.1 inch	0.2 inch
CORRECTION VALUE (%)	5.601	4.793



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CALIFORNIA BEARING RATIO FIELD TEST

OBJECT	PEMATANGAN LAHAN CILINCING - DAN SUKAPURA	DATE OF TESTED	SEPTEMBER 1 1995.
LOCATION	SUKAPURA	TESTED BY	NANA S
TYPE OF MATERIAL	SOIL	CHECKED BY	
DEPTH OF TESTED	16	APPROVAL BY	
ELEVATION	TOP LAYER	CALIBRATION (Lbs/Div)	2.508
COORDINATE	X: , Y:	STANDARD OF TESTED	A.S.T.M

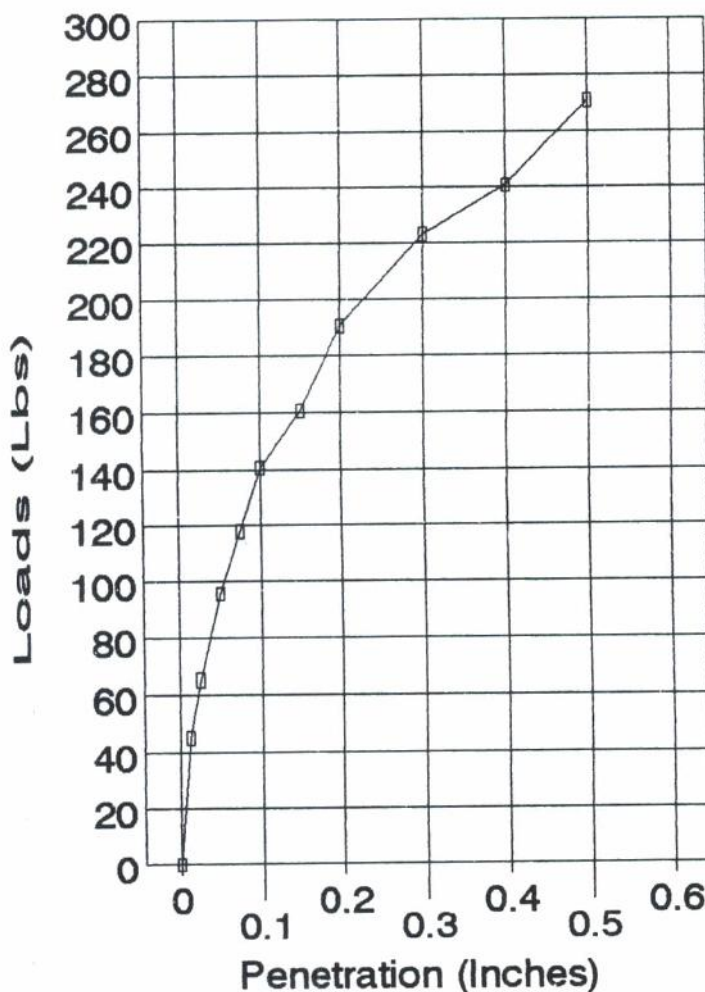
Time Minutes	Penetration (Inch)	DIAL LOAD	
		Proving ring	Load (lbs)
0.00	0.0000	0.00	0.00
0.25	0.0125	18.00	45.14
0.50	0.0250	26.00	65.21
1.00	0.0500	38.00	95.30
1.50	0.0750	47.00	117.88
2.00	0.1000	56.00	140.45
3.00	0.1500	64.00	160.51
4.00	0.2000	76.00	180.61
6.00	0.3000	89.00	223.21
8.00	0.4000	96.00	240.77
10.00	0.5000	108.00	270.88

Moisture Content (%)

ITEMS	Quantities	units
Weight of container	30.00	Grm
Weight of Wet soil + 1	130.00	Grm
Weight of Dry soil + 1	108.00	Grm
Water Content (%)	28.20	%

CBR VALUE (%)

	Penetration	
	0.1 inch	0.2 inch
CBR VALUE (%)	4.682	4.236



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CALIFORNIA BEARING RATIO FIELD TEST

OBJECT	PEMATANGAN LAHAN CIJLINCING - DAN SUKAPURA	DATE OF TESTED	SEPTEMBER 1 1995.
LOCATION	SUKAPURA	TESTED BY	NANA S
TYPE OF MATERIAL	SOIL	CHECKED BY	
NO. OF TESTED	17	APPROVAL BY	
DEPTH OF TESTED	TOP LAYER	CALIBRATION (Lbs/Div)	2.508
COORDINATE	X: , Y:	STANDARD OF TESTED	A.S.T.M

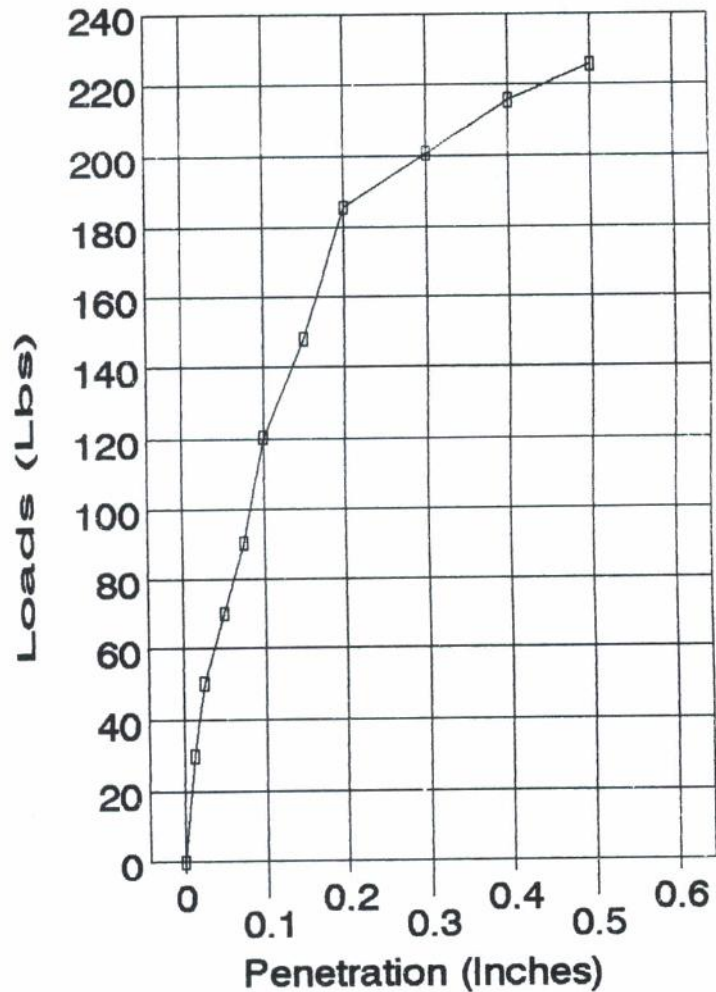
Time (min)	Penetration (inch)	DIAL LOAD	
		Proving	Load (lbs)
0.00	0.0000	0.00	0.00
0.25	0.0125	12.00	30.10
0.50	0.0250	20.00	50.15
1.00	0.0500	28.00	70.22
1.50	0.0750	36.00	90.29
2.00	0.1000	48.00	120.38
3.00	0.1500	59.00	147.97
4.00	0.2000	74.00	185.59
6.00	0.3000	80.00	200.64
8.00	0.4000	86.00	215.69
10.00	0.5000	90.00	225.72

Moisture Content (%)

ITEMS	Quantities	units
Weight of container	23.00	Grm
Weight of Wet soil + 1	123.00	Grm
Weight of Dry soil + 1	103.44	Grm
Water Content (%)	24.31	%

CORRECTION VALUE (%)

	Penetration	
	0.1 inch	0.2 inch
CORRECTION VALUE (%)	4.013	4.124



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CALIFORNIA BEARING RATIO FIELD TEST

OBJECT LOCATION TYPE OF MATERIAL DEPTH OF TESTED ELEVATION COORDINATE	PEMATANGAN LAHAN CILINCING - DAN SUKAPURA SUKAPURA SOIL 18 TOP LAYER X : , Y :	DATE OF TESTED TESTED BY CHECKED BY APPROVAL BY CALIBRATION (Lbs/Div) STANDARD OF TESTED	SEPTEMBER 1 1995. NANA S 2.508 A.S.T.M
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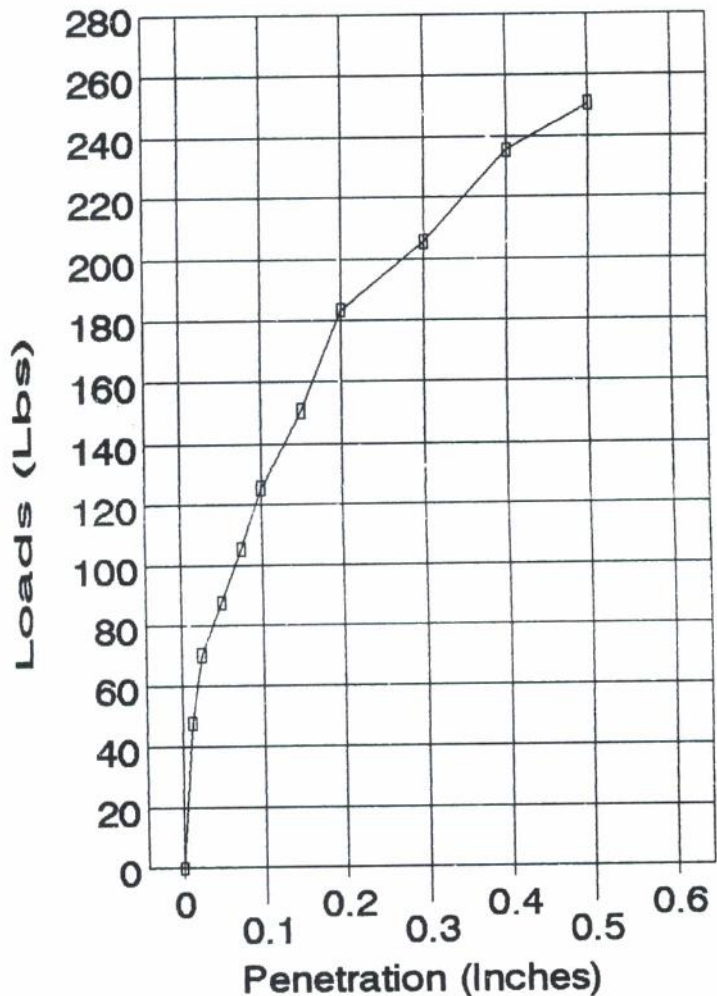
Time Penetration units (inch)	DIAL LOAD	
	Proving	Load (lbs)
0.00	0.0000	0.00
0.25	0.0125	19.00
0.50	0.0250	28.00
1.00	0.0500	35.00
1.50	0.0750	42.00
2.00	0.1000	50.00
3.00	0.1500	60.00
4.00	0.2000	73.00
6.00	0.3000	82.00
8.00	0.4000	94.00
10.00	0.5000	100.00

Moisture Content (%)

ITEMS	Quantities	units
Weight of container	25.90	Grm
Weight of Wet soil + 1	125.90	Grm
Weight of Dry soil + 1	104.54	Grm
Water Content (%)	27.16	%

CORRECTION VALUE (%)

	Penetration	
	0.1 inch	0.2 inch
CORRECTION VALUE (%)	4.180	4.069



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CALIFORNIA BEARING RATIO FIELD TEST

SUBJECT	PEMATANGAN LAHAN CIJUNGING - DAN SUKAPURA	DATE OF TESTED	SEPTEMBER 1 1986.
LOCATION	SUKAPURA	TESTED BY	NANA S
TYPE OF MATERIAL	SOIL	CHECKED BY	
DEPTH OF TESTED	19	APPROVAL BY	
ELEVATION	TOP LAYER	CALIBRATION (Lbs/Div)	2.508
COORDINATE	X: , Y:	STANDARD OF TESTED	A.S.T.M

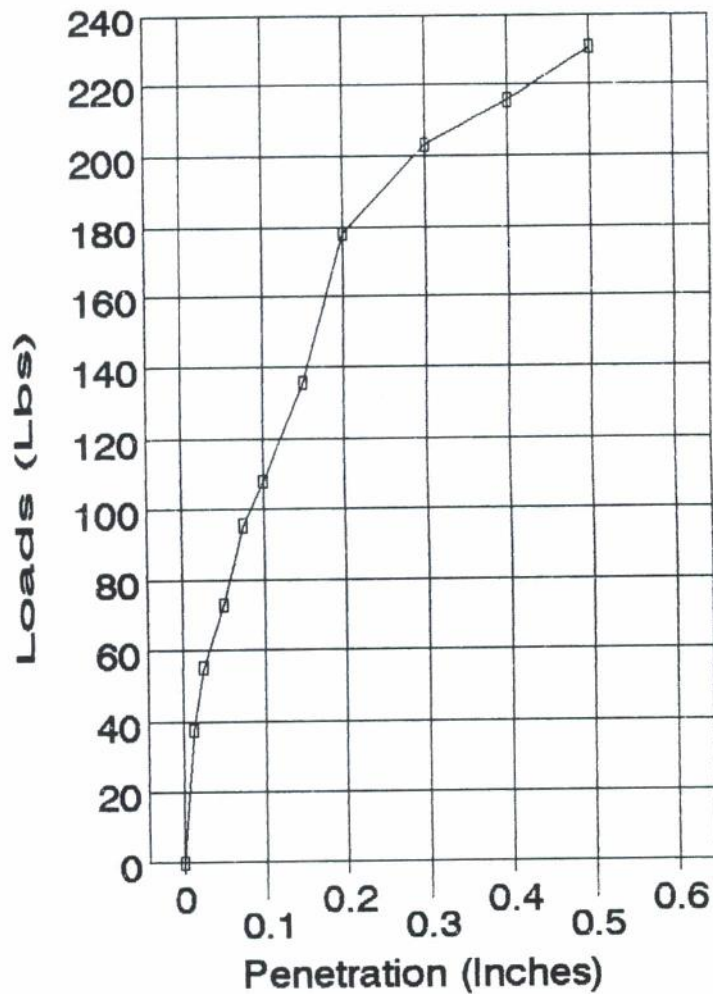
Time minutes	Penetration (inch)	DIAL LOAD	
		Proving	Load (lbs)
0.00	0.0000	0.00	0.00
0.25	0.0125	15.00	37.82
0.50	0.0250	22.00	55.18
1.00	0.0500	29.00	72.73
1.50	0.0750	38.00	95.30
2.00	0.1000	43.00	107.84
3.00	0.1500	54.00	135.43
4.00	0.2000	71.00	178.07
6.00	0.3000	81.00	203.15
8.00	0.4000	86.00	215.69
10.00	0.5000	92.00	230.74

Moisture Content (%)

ITEMS	Quantities	units
Weight of container	25.90	Grm
Weight of Wet soil + 1	125.90	Grm
Weight of Dry soil + 1	104.54	Grm
Moisture Content (%)	27.18	%

SHRINKAGE VALUE (%)

	Penetration	
	0.1 inch	0.2 inch
SHRINKAGE VALUE (%)	3.695	3.957



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CALIFORNIA BEARING RATIO FIELD TEST

SUBJECT	PEMATANGAN LAHAN CIUNCIING - DAN SUKAPURA	DATE OF TESTED	SEPTEMBER 1 1986.
LOCATION	SUKAPURA	TESTED BY	NANA S
TYPE OF MATERIAL	SOIL	CHECKED BY	
DEPTH OF TESTED	20	APPROVAL BY	
DEPTH OF FOUNDATION	TOP LAYER	CALIBRATION (Lbs/Div)	2.508
COORDINATE	X: Y:	STANDARD OF TESTED	A.S.T.M

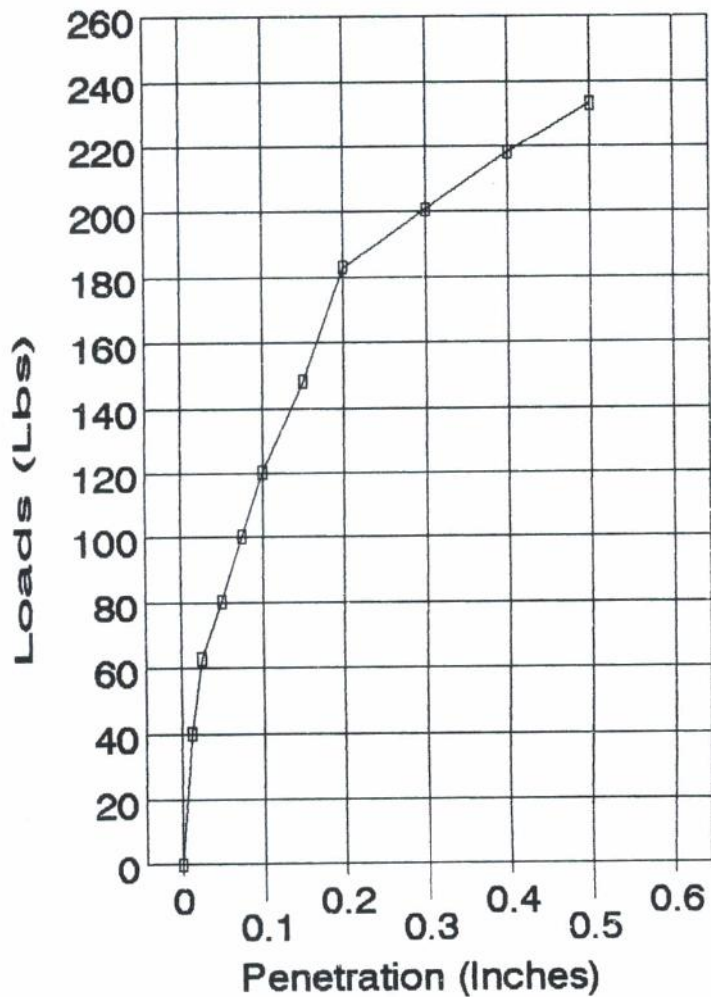
Time (min)	Penetration (inch)	DIAL LOAD	
		Proving Ring	Load (lbs)
0.00	0.0000	0.00	0.00
0.25	0.0125	16.00	40.13
0.50	0.0250	25.00	62.70
1.00	0.0500	32.00	80.28
1.50	0.0750	40.00	100.32
2.00	0.1000	46.00	120.38
3.00	0.1500	56.00	147.97
4.00	0.2000	73.00	183.08
6.00	0.3000	80.00	200.64
8.00	0.4000	87.00	218.20
10.00	0.5000	93.00	233.24

Moisture Content (%)

ITEMS	Quantities	units
Weight of container	24.60	Grm
Weight of Wet soil + 1	124.60	Grm
Weight of Dry soil + 1	105.28	Grm
Water Content (%)	23.94	%

CORRECTION VALUE (%)

	Penetration	
	0.1 inch	0.2 inch
CORRECTION VALUE (%)	4.013	4.009

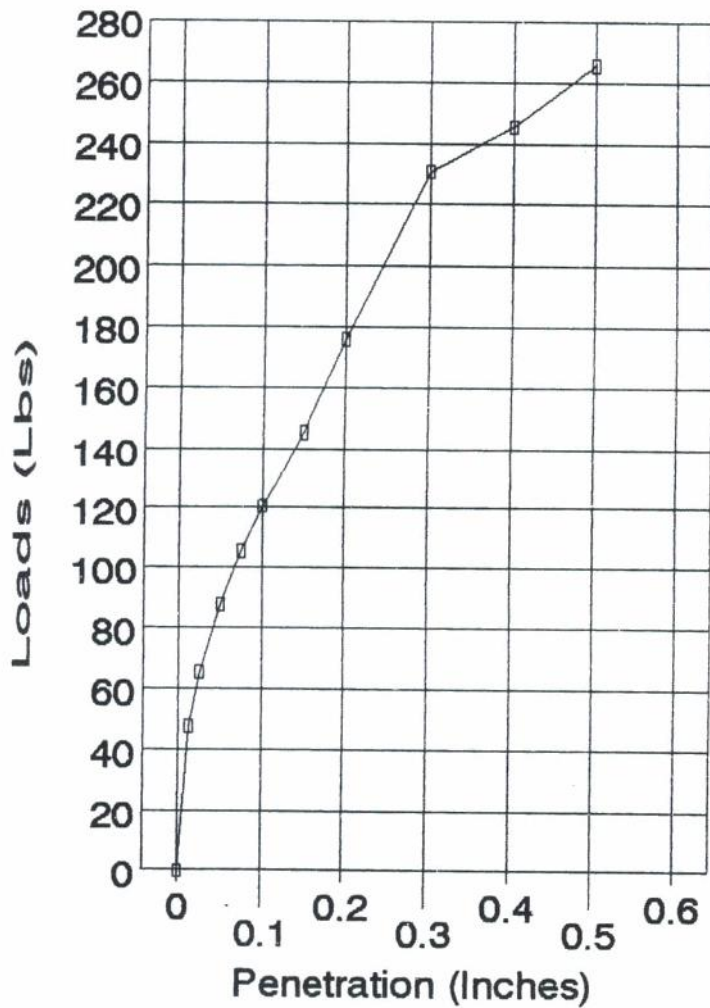


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 Kampus ISTN Bhumi Srengseng Teip. 7270092, Fax. 7270090

CALIFORNIA BEARING RATIO FIELD TEST

PROJECT	PEMATANGAN LAHAN CIJLINCING - DAN SUKAPURA	DATE OF TESTED	SEPTEMBER 1 1985.
LOCATION	SUKAPURA	TESTED BY	NANA S
TYPE OF MATERIAL	SOIL	CHECKED BY	
NO. OF TESTED	21	APPROVAL BY	
ELEVATION	TOP LAYER	CALIBRATION (Lbs/Div)	2.508
COORDINATE	X: , Y:	STANDARD OF TESTED	A.S.T.M

Time minute	Penetration (Inch)	DIAL LOAD	
		Proving	Load (lbs)
0.00	0.0000	0.00	0.00
0.25	0.0125	19.00	47.65
0.50	0.0250	26.00	65.21
1.00	0.0500	35.00	87.78
1.50	0.0750	42.00	105.34
2.00	0.1000	48.00	120.38
3.00	0.1500	58.00	145.46
4.00	0.2000	70.00	175.56
6.00	0.3000	92.00	230.74
8.00	0.4000	98.00	245.78
10.00	0.5000	106.00	265.85



Field Water Content (%)

ITEMS	Quantities	units
1. Weight of container	32.60	Grm
2. Weight of Wet soil + 1	132.60	Grm
3. Weight of Dry soil + 1	113.93	Grm
4. Water Content (%)	22.95	%

C.B.R VALUE (%)

	Penetration	
	0.1 Inch	0.2 Inch
C.B.R VALUE (%)	4.013	3.901



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 Kampus ISTN Bhumi Srengseng Telp. 7270092, Fax. 7270090

CALIFORNIA BEARING RATIO FIELD TEST

PROJECT	PEMATANGAN LAHAN CIJINCING - DAN SUKAPURA	DATE OF TESTED	SEPTEMBER 1 1986.
LOCATION	SUKAPURA	TESTED BY	NANA S
TYPE OF MATERIAL	SOIL	CHECKED BY	
NO. OF TESTED	22	APPROVAL BY	
ELEVATION	TOP LAYER	CALIBRATION (Lbs/Div)	2.508
COORDINATE	X : , Y :	STANDARD OF TESTED	A.S.T.M

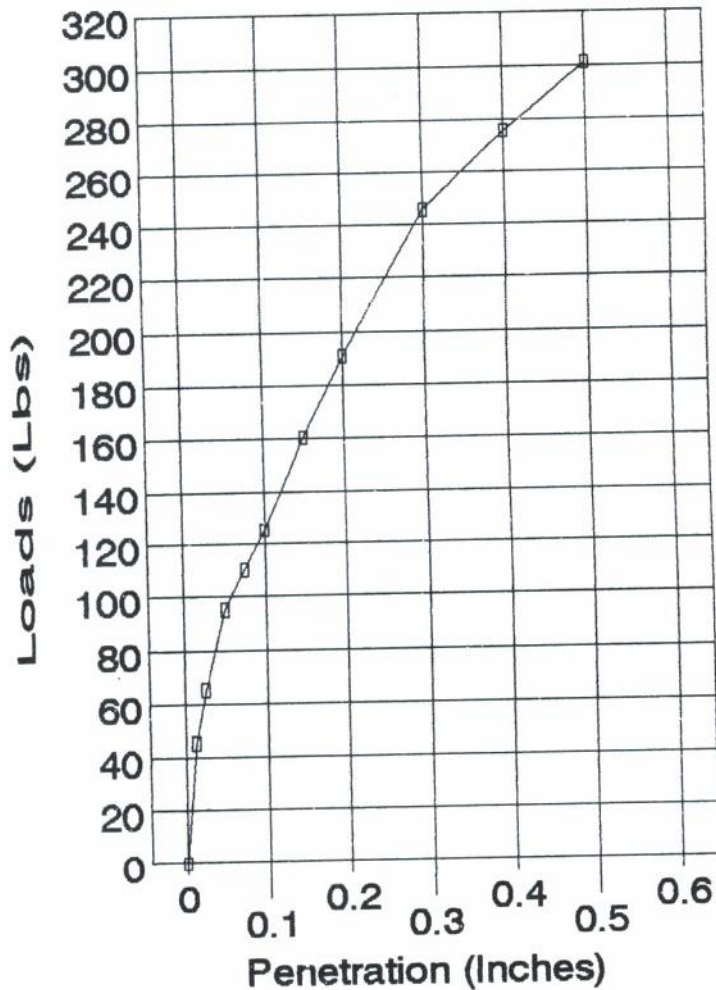
Time minute	Penetration (Inch)	DIAL LOAD	
		Proving	Load (lbs)
0.00	0.0000	0.00	0.00
0.25	0.0125	18.00	45.14
0.50	0.0250	26.00	65.21
1.00	0.0500	38.00	95.30
1.50	0.0750	44.00	110.35
2.00	0.1000	50.00	125.40
3.00	0.1500	64.00	160.51
4.00	0.2000	76.00	190.61
6.00	0.3000	98.00	245.78
8.00	0.4000	110.00	275.88
10.00	0.5000	120.00	300.96

Field Water Content (%)

ITEMS	Quantities	units
1. Weight of container	30.00	Grm
2. Weight of Wet soil + 1	130.00	Grm
3. Weight of Dry soil + 1	112.02	Grm
4. Water Content (%)	21.92	%

C.B.R VALUE (%)

	Penetration	
	0.1 inch	0.2 inch
C.B.R VALUE (%)	4.180	4.236



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CALIFORNIA BEARING RATIO FIELD TEST

PROJECT	PEMATANGAN LAHAN CIJUNGING - DAN SUKAPURA	DATE OF TESTED	SEPTEMBER 1 1995.
LOCATION	SUKAPURA	TESTED BY	NANA S
TYPE OF MATERIAL	SOIL	CHECKED BY	
NO. OF TESTED	23	APPROVAL BY	
ELEVATION	TOP LAYER	CALIBRATION (Lbs/Div)	2.508
COORDINATE	X : , Y :	STANDARD OF TESTED	A.S.T.M

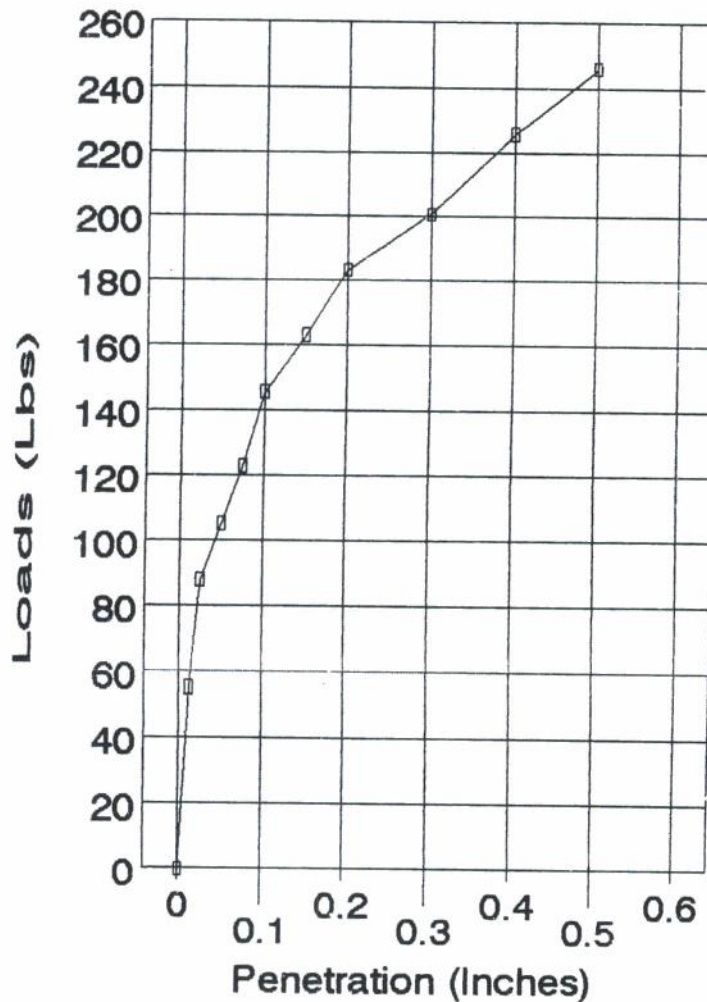
Time minutes	Penetration (Inch)	DIAL LOAD	
		Proving	Load (lbs)
0.00	0.0000	0.00	0.00
0.25	0.0125	22.00	55.18
0.50	0.0250	35.00	87.78
1.00	0.0500	42.00	105.34
1.50	0.0750	49.00	122.89
2.00	0.1000	58.00	145.46
3.00	0.1500	65.00	163.02
4.00	0.2000	73.00	183.08
6.00	0.3000	80.00	200.64
8.00	0.4000	90.00	225.72
10.00	0.5000	98.00	245.78

Field Water Content (%)

ITEMS	Quantities	units
1. Weight of container	22.00	Grm
2. Weight of Wet soil + 1	122.00	Grm
3. Weight of Dry soil + 1	103.03	Grm
4. Water Content (%)	23.41	%

C.B.R VALUE (%)

	Penetration	
	0.1 inch	0.2 inch
C.B.R VALUE (%)	4.849	4.009



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CALIFORNIA BEARING RATIO FIELD TEST

PROJECT	PELATANGAN LAHAN CIUNGING - DAN SUKAPURA	DATE OF TESTED	SEPTEMBER 1 1996.
LOCATION	SUKAPURA	TESTED BY	NANA S
TYPE OF MATERIAL	SOIL	CHECKED BY	
NO. OF TESTED	24	APPROVAL BY	
ELEVATION	TOP LAYER	CALIBRATION (Lbs/Div)	2.508
COORDINATE	X: , Y:	STANDARD OF TESTED	A.S.T.M

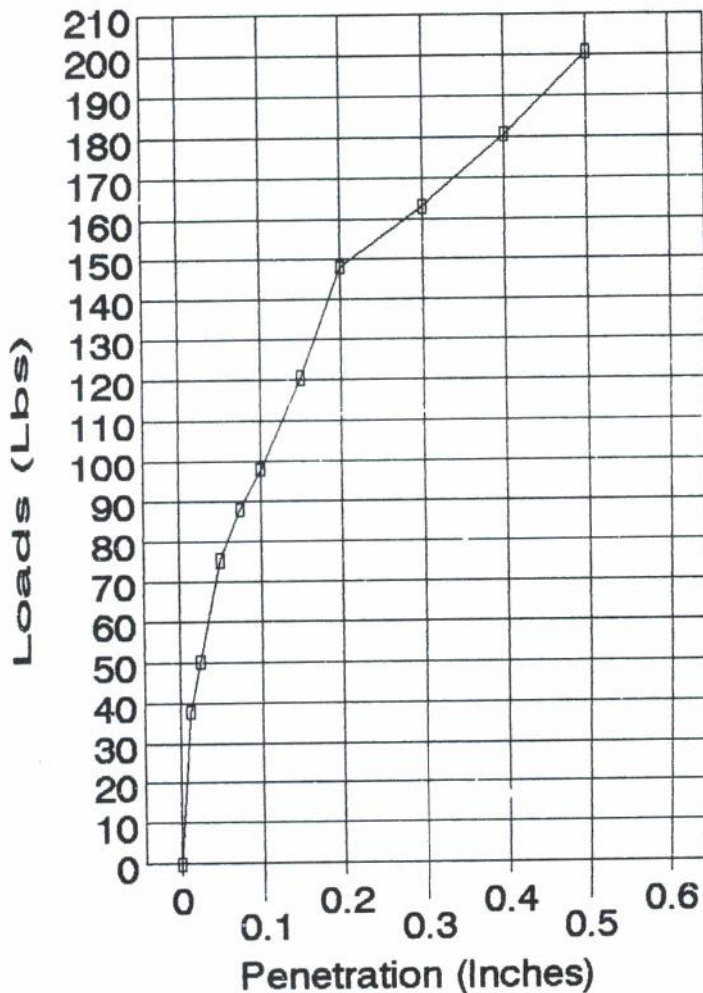
Time minute	Penetration (inch)	DIAL LOAD	
		Proving	Load (lbs)
0.00	0.0000	0.00	0.00
0.25	0.0125	15.00	37.62
0.50	0.0250	20.00	50.16
1.00	0.0500	30.00	75.24
1.50	0.0750	35.00	87.78
2.00	0.1000	39.00	97.81
3.00	0.1500	46.00	120.38
4.00	0.2000	59.00	147.97
6.00	0.3000	65.00	163.02
8.00	0.4000	72.00	180.58
10.00	0.5000	80.00	200.64

Field Water Content (%)

ITEMS	Quantities	units
1. Weight of container	25.00	Grm
2. Weight of Wet soil + 1	125.00	Grm
3. Weight of Dry soil + 1	105.35	Grm
4. Water Content (%)	24.45	%

C.B.R VALUE (%)

	Penetration	
	0.1 Inch	0.2 Inch
C.B.R VALUE (%)	3.200	3.208



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CALIFORNIA BEARING RATIO FIELD TEST

PROJECT	PEMATANGAN LAHAN CIJUNGING - DAN SUKAPURA	DATE OF TESTED	SEPTEMBER 1 1995.
LOCATION	SUKAPURA	TESTED BY	NANA S
TYPE OF MATERIAL	SOIL	CHECKED BY	
NO. OF TESTED	25	APPROVAL BY	
ELEVATION	TOP LAYER	CALIBRATION (Lbs/Div)	2.508
COORDINATE	X : Y :	STANDARD OF TESTED	A.S.T.M

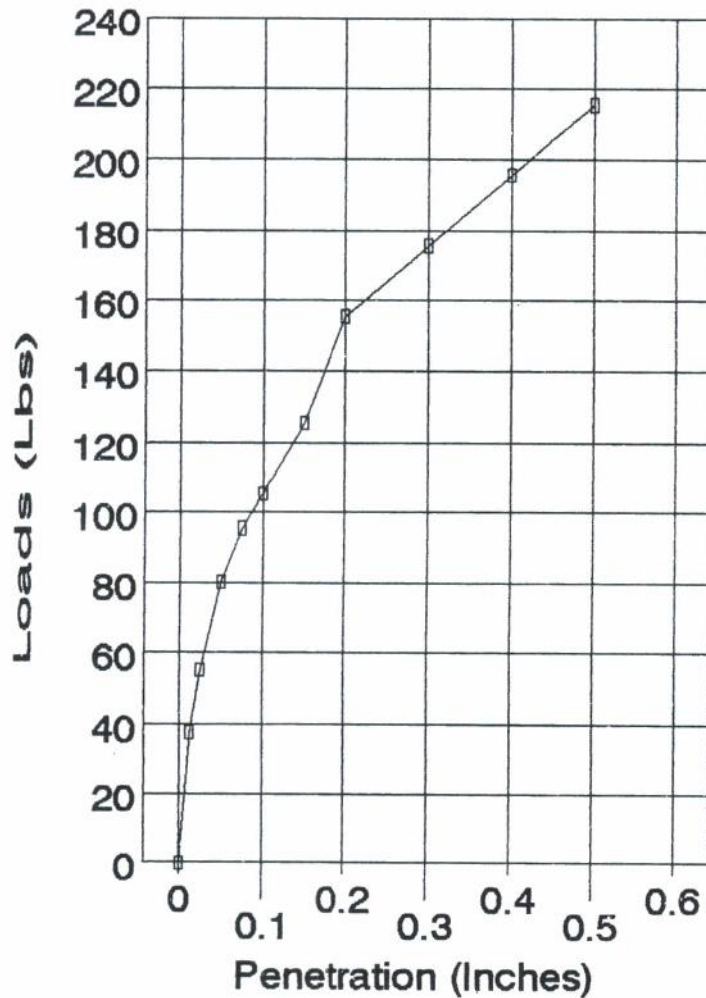
Time minute	Penetration (Inch)	DIAL LOAD	
		Prov.ring	Load (lbs)
0.00	0.0000	0.00	0.00
0.25	0.0125	15.00	37.62
0.50	0.0250	22.00	55.18
1.00	0.0500	32.00	80.28
1.50	0.0750	38.00	95.30
2.00	0.1000	42.00	105.34
3.00	0.1500	50.00	125.40
4.00	0.2000	62.00	155.50
6.00	0.3000	70.00	175.56
8.00	0.4000	78.00	195.62
10.00	0.5000	86.00	215.69

Field Water Content (%)

ITEMS	Quantities	units
1. Weight of container	23.50	Grm
2. Weight of Wet soil + 1	123.50	Grm
3. Weight of Dry soil + 1	101.14	Grm
4. Water Content (%)	28.79	%

C.B.R VALUE (%)

	Penetration	
	0.1 Inch	0.2 Inch
C.B.R VALUE (%)	3.611	3.455



LABORATORIUM MEKANIKA TANAH
JURUSAN TEKNIK SIPIL - FTSP.
INSTITUT SAINS DAN TEKNOLOGI NASIONAL - JAKARTA
 Kampus ISTN Bhumi Srengseng Teip. 7270092, Fax. 7270090

CALIFORNIA BEARING RATIO FIELD TEST

PROJECT	PEMATANGAN LAHAN CIJUNGING – DAN SUKAPURA	DATE OF TESTED	SEPTEMBER 1 1995.
LOCATION	SUKAPURA	TESTED BY	NANA S
TYPE OF MATERIAL	SOIL	CHECKED BY	
NO. OF TESTED	26	APPROVAL BY	
ELEVATION	TOP LAYER	CALIBRATION (Lb/Div)	2.508
COORDINATE	X: , Y:	STANDARD OF TESTED	A.S.T.M

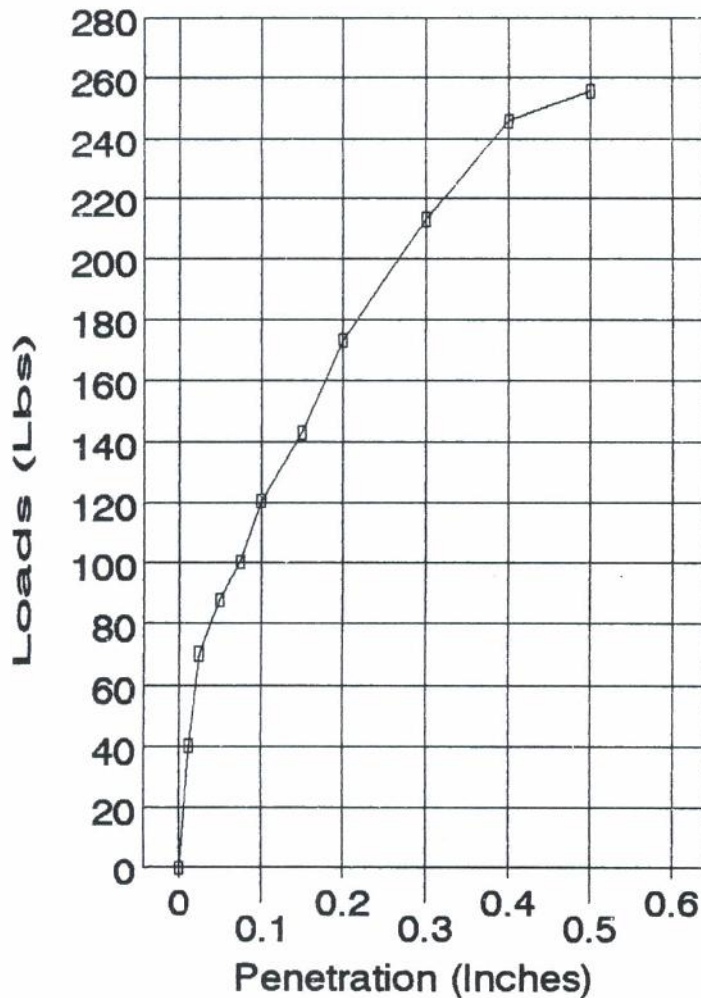
Time minute	Penetration (inch)	DIAL LOAD	
		Proving	Load (lbs)
0.00	0.0000	0.00	0.00
0.25	0.0125	16.00	40.13
0.50	0.0250	28.00	70.22
1.00	0.0500	35.00	87.78
1.50	0.0750	40.00	100.32
2.00	0.1000	48.00	120.38
3.00	0.1500	57.00	142.96
4.00	0.2000	69.00	173.05
6.00	0.3000	95.00	213.18
8.00	0.4000	98.00	245.78
10.00	0.5000	102.00	255.82

Field Water Content (%)

ITEMS	Quantities	units
1. Weight of container	22.00	Grm
2. Weight of Wet soil + 1	122.00	Grm
3. Weight of Dry soil + 1	97.44	Grm
4. Water Content (%)	32.55	%

C.B.R VALUE (%)

	Penetration	
	0.1 inch	0.2 inch
C.B.R VALUE (%)	4.013	3.846

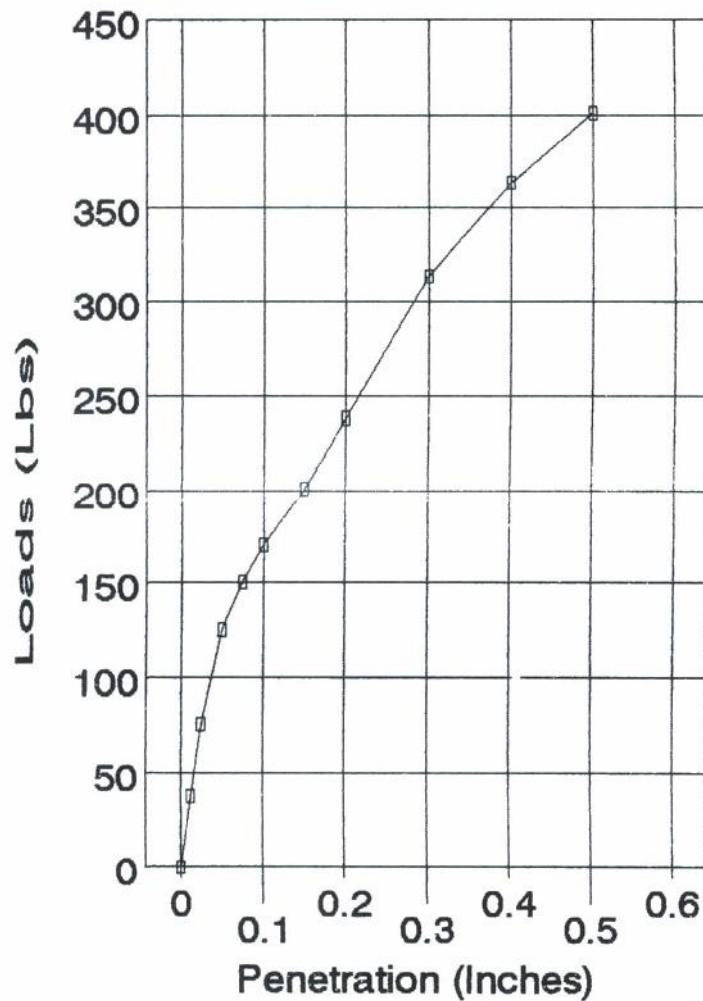


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CALIFORNIA BEARING RATIO FIELD TEST

PROJECT	PEMATANGAN LAHAN CIJUNGING - DAN SUKAPURA	DATE OF TESTED	SEPTEMBER 1 1986.
LOCATION	SUKAPURA	TESTED BY	NANA S
TYPE OF MATERIAL	SOIL	CHECKED BY	
NO. OF TESTED	27	APPROVAL BY	
ELEVATION	TOP LAYER	CALIBRATION (Lbs/Div)	2.508
COORDINATE	X: , Y:	STANDARD OF TESTED	A.S.T.M

Time minute	Penetration (Inch)	DIAL LOAD	
		Prov.ring	Load (lbs)
0.00	0.0000	0.00	0.00
0.25	0.0125	15.00	37.62
0.50	0.0250	30.00	75.24
1.00	0.0500	50.00	125.40
1.50	0.0750	60.00	150.48
2.00	0.1000	68.00	170.54
3.00	0.1500	80.00	200.64
4.00	0.2000	95.00	238.26
6.00	0.3000	125.00	313.50
8.00	0.4000	145.00	363.66
10.00	0.5000	160.00	401.28



Field Water Content (%)

ITEMS	Quantities	units
1. Weight of container	12.00	Grm
2. Weight of Wet soil + 1	119.00	Grm
3. Weight of Dry soil + 1	98.49	Grm
4. Water Content (%)	29.04	%

C.B.R VALUE (%)

	Penetration	
	0.1 inch	0.2 inch
C.B.R VALUE (%)	5.685	5.295



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CALIFORNIA BEARING RATIO FIELD TEST

PROJECT	PEMATANGAN LAHAN CIUNGING - DAN SUKAPURA	DATE OF TESTED	SEPTEMBER 1 1995.
LOCATION	SUKAPURA	TESTED BY	NANA S
TYPE OF MATERIAL	SOIL	CHECKED BY	
NO. OF TESTED	28	APPROVAL BY	
ELEVATION	TOP LAYER	CALIBRATION (Lbs/Div)	2.508
COORDINATE	X: , Y:	STANDARD OF TESTED	A.S.T.M

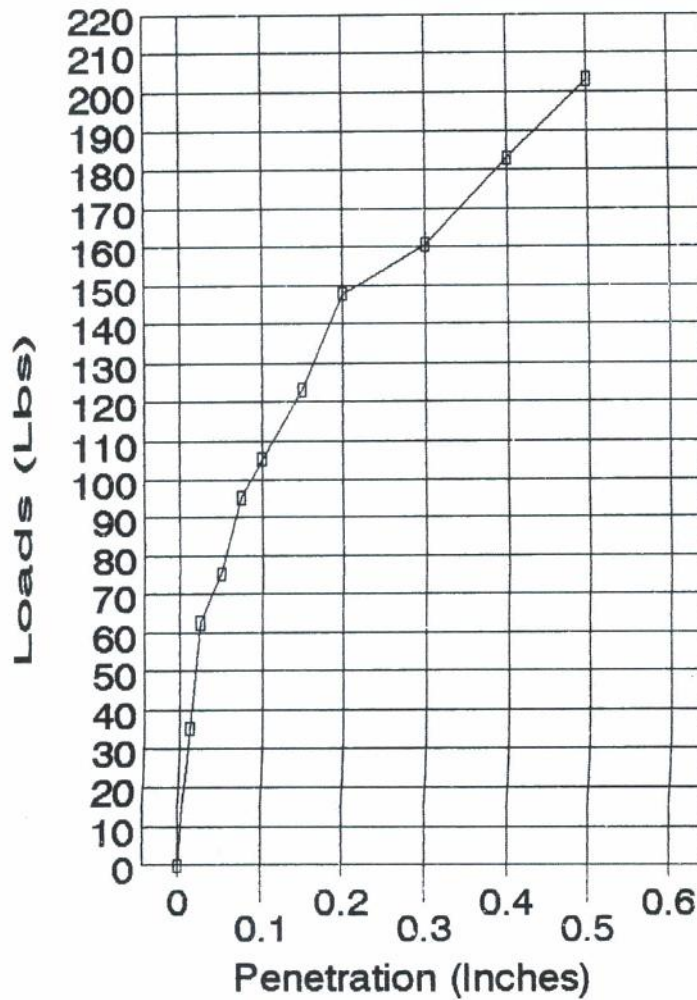
Time minute	Penetration (Inch)	DIAL LOAD	
		Proving	Load (lbs)
0.00	0.0000	0.00	0.00
0.25	0.0125	14.00	35.11
0.50	0.0250	25.00	62.70
1.00	0.0500	30.00	75.24
1.50	0.0750	38.00	95.30
2.00	0.1000	42.00	105.34
3.00	0.1500	49.00	122.89
4.00	0.2000	59.00	147.97
6.00	0.3000	64.00	160.51
8.00	0.4000	73.00	183.09
10.00	0.5000	81.00	203.15

Field Water Content (%)

ITEMS	Quantities	units
1. Weight of container	18.00	Grm
2. Weight of Wet soil + 1	118.00	Grm
3. Weight of Dry soil + 1	98.55	Grm
4. Water Content (%)	27.30	%

C.B.R VALUE (%)

	Penetration	
	0.1 inch	0.2 inch
C.B.R VALUE (%)	3.511	3.288

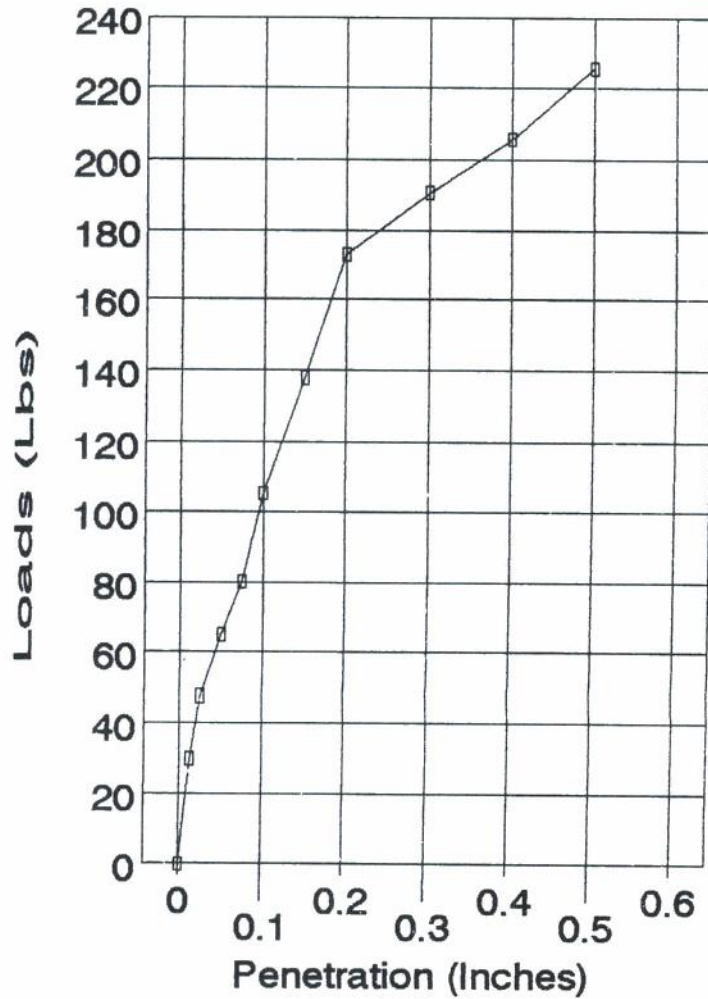


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CALIFORNIA BEARING RATIO FIELD TEST

PROJECT	PEMATANGAN LAHAN CILINCING -- DAN SUKAPURA	DATE OF TESTED	SEPTEMBER 1 1996.
LOCATION	SUKAPURA	TESTED BY	NANA S
TYPE OF MATERIAL	SOIL	CHECKED BY	
NO. OF TESTED	29	APPROVAL BY	
ELEVATION	TOP LAYER	CALIBRATION (Lbs/Div)	2.508
COORDINATE	X: . Y:	STANDARD OF TESTED	A.S.T.M

Time minute	Penetration (Inch)	DIAL LOAD	
		Proving	Load (lb)
0.00	0.0000	0.00	0.00
0.25	0.0125	12.00	30.10
0.50	0.0250	19.00	47.85
1.00	0.0500	26.00	65.21
1.50	0.0750	32.00	80.26
2.00	0.1000	42.00	105.34
3.00	0.1500	55.00	137.94
4.00	0.2000	69.00	173.05
6.00	0.3000	76.00	190.61
8.00	0.4000	82.00	205.05
10.00	0.5000	90.00	225.72



Field Water Content (%)

ITEMS	Quantities	units
1. Weight of container	23.50	Grm
2. Weight of Wet soil + 1	123.50	Grm
3. Weight of Dry soil + 1	101.94	Grm
4. Water Content (%)	27.48	%

C.B.R VALUE (%)

	Penetration	
	0.1 Inch	0.2 Inch
C.B.R VALUE (%)	3.511	3.848



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CALIFORNIA BEARING RATIO FIELD TEST

PROJECT	PEMATANGAN LAHAN CIJUNGING - DAN SUKAPURA	DATE OF TESTED	SEPTEMBER 1 1996.
LOCATION	SUKAPURA	TESTED BY	NANA S
TYPE OF MATERIAL	SOIL	CHECKED BY	
NO. OF TESTED	30	APPROVAL BY	
ELEVATION	TOP LAYER	CALIBRATION (Lbs/Div)	2.508
COORDINATE	X: , Y:	STANDARD OF TESTED	A.S.T.M

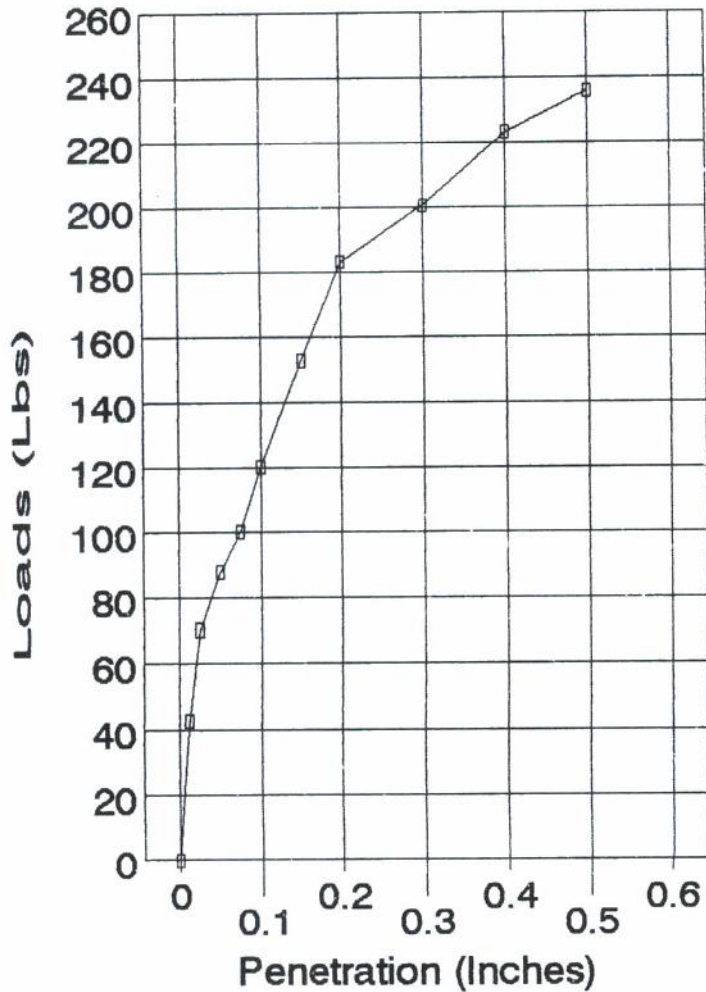
Time minute	Penetration (Inch)	DIAL LOAD	
		Prov. ring	Load (lbs)
0.00	0.0000	0.00	0.00
0.25	0.0125	17.00	42.84
0.50	0.0250	28.00	70.22
1.00	0.0500	35.00	87.78
1.50	0.0750	40.00	100.32
2.00	0.1000	48.00	120.38
3.00	0.1500	61.00	152.99
4.00	0.2000	73.00	183.08
6.00	0.3000	80.00	200.64
8.00	0.4000	89.00	223.21
10.00	0.5000	94.00	235.75

Field Water Content (%)

ITEMS	Quantities	units
1. Weight of container	32.60	Grm
2. Weight of Wet soil + 1	132.60	Grm
3. Weight of Dry soil + 1	113.93	Grm
4. Water Content (%)	22.95	%

C.B.R VALUE (%)

	Penetration	
	0.1 Inch	0.2 Inch
C.B.R VALUE (%)	4.013	4.069



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CALIFORNIA BEARING RATIO FIELD TEST

PROJECT	PEMATANGAN LAHAN CIUNING - DAN SUKAPURA	DATE OF TESTED	SEPTEMBER 5 1996
LOCATION	SUKAPURA	TESTED BY	NANA S
TYPE OF MATERIAL	SOIL	CHECKED BY	
NO. OF TESTED	31	APPROVAL BY	
ELEVATION	TOP LAYER	CALIBRATION (Lbs/D ² V)	2.508
COORDINATE	X: . Y: .	STANDARD OF TESTED	A.S.T.M

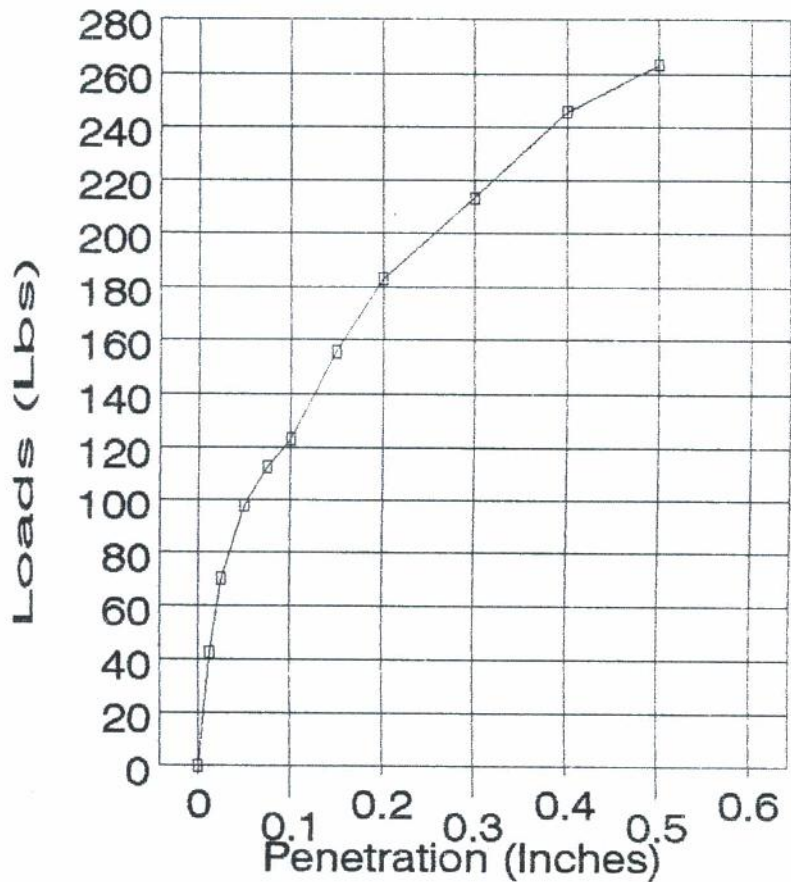
Time minute	Penetration (inch)	DIAL LOAD	
		Prov. ring	Load (lbs)
0.00	0.0000	0.00	0.00
0.25	0.0125	17.00	42.64
0.50	0.0250	28.00	70.22
1.00	0.0500	39.00	97.81
1.50	0.0750	45.00	112.86
2.00	0.1000	49.00	122.89
3.00	0.1500	62.00	155.50
4.00	0.2000	73.00	183.08
5.00	0.3000	85.00	213.18
8.00	0.4000	98.00	245.78
10.00	0.5000	105.00	263.34

Field Water Content (%)

ITEMS	Quantities	units
1. Weight of container	30.00	Grm
2. Weight of Wet soil + 1	130.00	Grm
3. Weight of Dry soil + 1	110.13	Grm
4. Water Content (%)	24.79	%

C.B.R VALUE (%)

	Penetration	
	0.1 inch	0.2 inch
C.B.R VALUE (%)	4.096	4.069



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CALIFORNIA BEARING RATIO FIELD TEST

PROJECT	DEMANGAN LAHAN CIUNING - DAN SUKAPURA	DATE OF TESTED	SEPTEMBER 8 1995
LOCATION	SUKAPURA	TESTED BY	NANA S
TYPE OF MATERIAL	SOIL	CHECKED BY	
NO. OF TESTED	32	APPROVAL BY	
ELEVATION	TOP LAYER	CALIBRATION (Lbs/Div)	2.508
COORDINATE	X: Y:	STANDARD OF TESTED	A.S.T.M

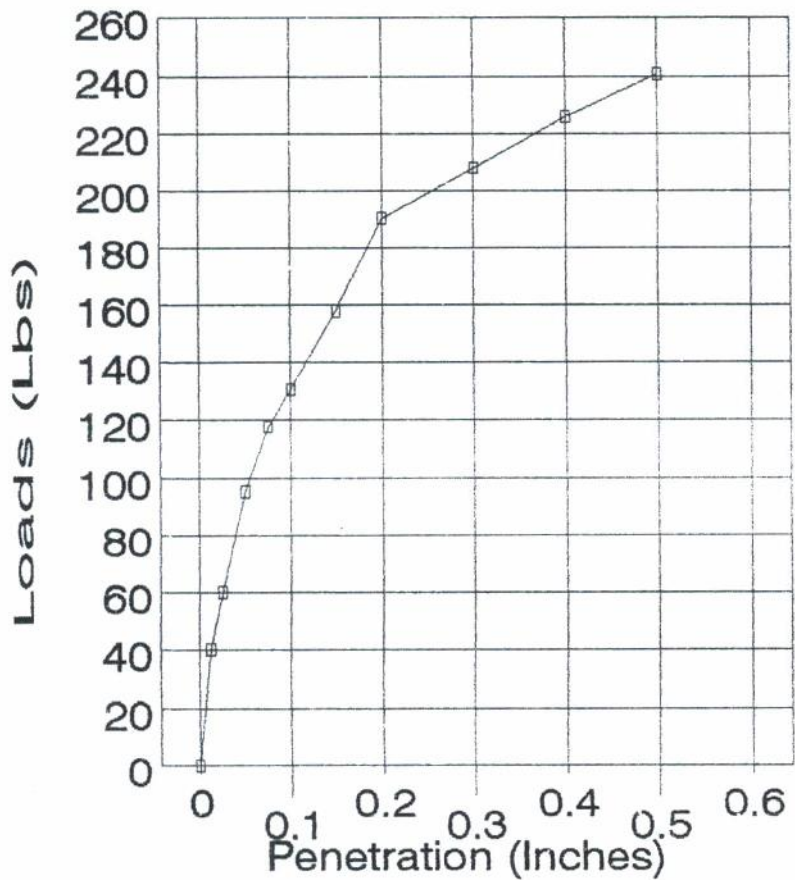
Time minute	Penetration (inch)	DIAL LOAD	
		Prov. ring	Load (lbs)
0.00	0.0000	0.00	0.00
0.25	0.0125	16.00	40.13
0.50	0.0250	24.00	60.19
1.00	0.0500	38.00	95.30
1.50	0.0750	47.00	117.88
2.00	0.1000	52.00	130.42
3.00	0.1500	63.00	158.00
4.00	0.2000	76.00	190.61
6.00	0.3000	83.00	208.16
8.00	0.4000	90.00	225.72
10.00	0.5000	96.00	240.77

Field Water Content (%)

ITEMS	Quantities	units
1. Weight of container	25.00	Grm
2. Weight of Wet soil + 1	125.00	Grm
3. Weight of Dry soil + 1	103.41	Grm
4. Water Content (%)	27.53	%

C.B.R VALUE (%)

	Penetration	
	0.1 inch	0.2 inch
C.B.R VALUE (%)	4.347	4.236



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CALIFORNIA BEARING RATIO FIELD TEST

PROJECT	PEMATANGAN LAHAN CIJUNGING – DAN SUKAPURA	DATE OF TESTED	SEPTEMBER 2 1995
LOCATION	SUKAPURA	TESTED BY	NANA S
TYPE OF MATERIAL	SOIL	CHECKED BY	
NO. OF TESTED	33	APPROVAL BY	
ELEVATION	TOP LAYER	CALIBRATION (Lbs/Div)	2.508
COORDINATE	X: . Y:	STANDARD OF TESTED	A.S.T.M

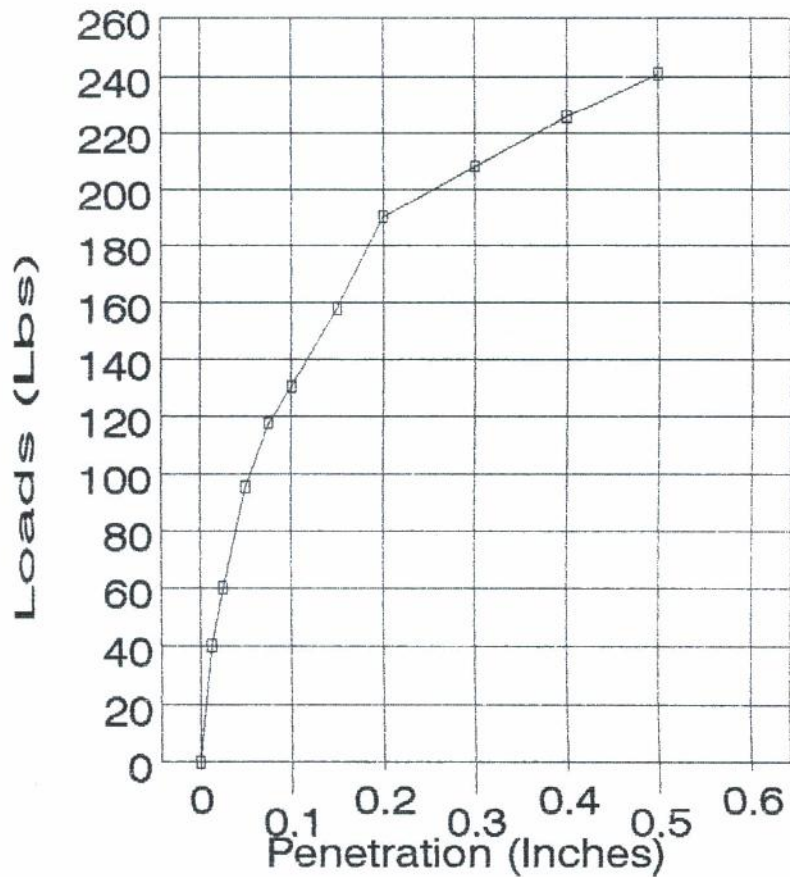
Time minute	Penetration (Inch)	DIAL LOAD	
		Prov. ring	Load (lbs)
0.00	0.0000	0.00	0.00
0.25	0.0125	15.50	38.87
0.50	0.0250	22.00	55.18
1.00	0.0500	31.00	77.75
1.50	0.0750	42.00	105.34
2.00	0.1000	49.00	122.89
3.00	0.1500	60.00	150.48
4.00	0.2000	72.00	180.58
6.00	0.3000	78.00	195.62
8.00	0.4000	83.50	209.42
10.00	0.5000	90.00	225.72

Field Water Content (%)

ITEMS	Quantities	units
1. Weight of container	22.50	Grm
2. Weight of Wet soil + 1	122.50	Grm
3. Weight of Dry soil + 1	102.02	Grm
4. Water Content (%)	25.75	%

C.B.R VALUE (%)

	Penetration	
	0.1 inch	0.2 inch
C.B.R VALUE (%)	4.098	4.013



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CALIFORNIA BEARING RATIO FIELD TEST

PROJECT	PEMATANGAN LAHAN CILINCING -- DAN SUKAPURA	DATE OF TESTED	SEPTEMBER 2 1995
LOCATION	SUKAPURA	TESTED BY	NANA S
TYPE OF MATERIAL	SOIL	CHECKED BY	
NO. OF TESTED	34	APPROVAL BY	
ELEVATION	TOP LAYER	CALIBRATION (Lbs/Div)	2.508
COORDINATE	X: . Y:	STANDARD OF TESTED	A.S.T.M

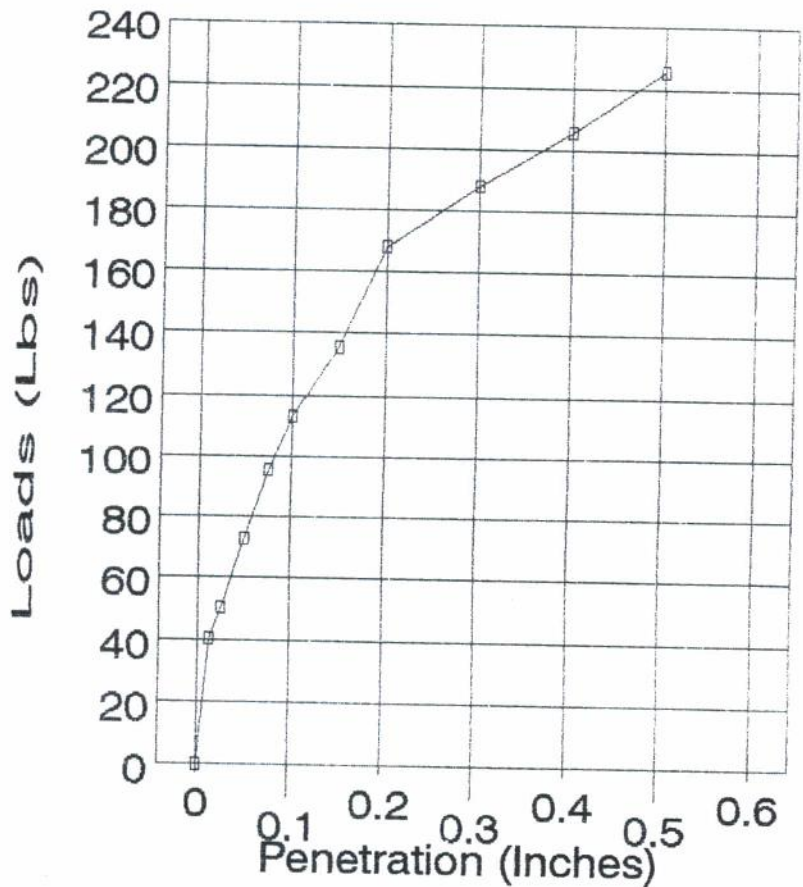
Time minutes	Penetration (inch)	DIAL LOAD	
		Prov. ring	Load (lbs)
0.00	0.0000	0.00	0.00
0.25	0.0125	16.00	40.13
0.50	0.0250	20.00	50.16
1.00	0.0500	29.00	72.73
1.50	0.0750	38.00	95.30
2.00	0.1000	45.00	112.86
3.00	0.1500	54.00	135.43
4.00	0.2000	67.00	168.04
6.00	0.3000	75.00	188.10
8.00	0.4000	82.00	205.66
10.00	0.5000	90.00	225.72

Field Water Content (%)

ITEMS	Quantities	units
Weight of container	29.00	Grm
Weight of Wet soil + 1	129.00	Grm
Weight of Dry soil + 1	109.13	Grm
Water Content (%)	24.79	%

B.R VALUE (%)

	Penetration	
	0.1 inch	0.2 inch
B.R VALUE (%)	3.762	3.734



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CALIFORNIA BEARING RATIO FIELD TEST

PROJECT	PEMATANGAN LAHAN GIUNGING - DAN BUKAPURA	DATE OF TESTED	SEPTEMBER 2 1995
LOCATION	SUKAPURA	TESTED BY	NANA S
TYPE OF MATERIAL	SOIL	CHECKED BY	
NO. OF TESTED	35	APPROVAL BY	
ELEVATION	TOP LAYER	CALIBRATION (Lbs/Div)	2.508
COORDINATE	X: Y:	STANDARD OF TESTED	A.S.T.M

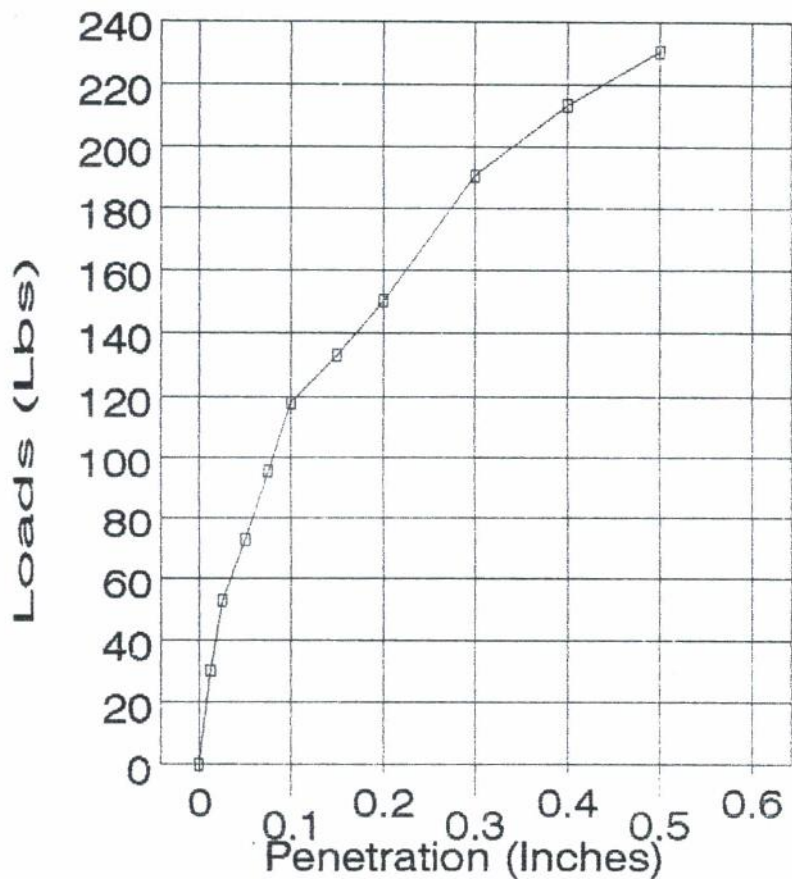
Time minute	Penetration (Inch)	DIAL LOAD	
		Proving Load (lbs)	Load (lbs)
0.00	0.0000	0.00	0.00
0.25	0.0125	12.00	30.10
0.50	0.0250	21.00	52.67
1.00	0.0500	29.00	72.73
1.50	0.0750	38.00	95.30
2.00	0.1000	47.00	117.88
3.00	0.1500	53.00	132.92
4.00	0.2000	60.00	150.48
6.00	0.3000	76.00	190.61
8.00	0.4000	85.00	213.18
10.00	0.5000	92.00	230.74

Field Water Content (%)

ITEMS	Quantities	units
1. Weight of container	19.50	Grm
2. Weight of Wet soil + 1	119.50	Grm
3. Weight of Dry soil + 1	101.41	Grm
4. Water Content (%)	22.09	%

C.B.R VALUE (%)

	Penetration	
	0.1 Inch	0.2 inch
C.B.R VALUE (%)	3.929	3.344



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CALIFORNIA BEARING RATIO FIELD TEST

PROJECT	PEMATANGAN LAHAN CILINCING – DAN SUKAPURA.	DATE OF TESTED	SEPTEMBER 2 1995
LOCATION	SUKAPURA	TESTED BY	NANA S
TYPE OF MATERIAL	SOIL	CHECKED BY	
NO. OF TESTED	36	APPROVAL BY	
ELEVATION	TOP LAYER	CALIBRATION (Lbs/Div)	2.508
COORDINATE	X: Y:	STANDARD OF TESTED	A.S.T.M

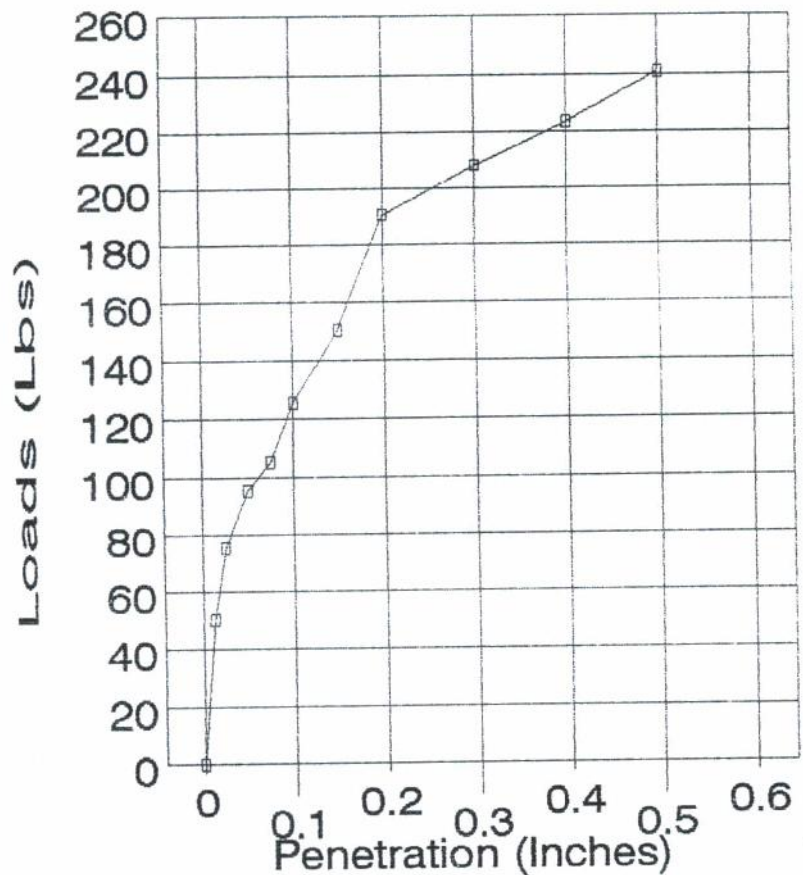
Time minute	Penetration (Inch)	DIAL LOAD	
		Prov. ring	Load (lbs)
0.00	0.0000	0.00	0.00
0.25	0.0125	20.00	50.16
0.50	0.0250	30.00	75.24
1.00	0.0500	38.00	96.30
1.50	0.0750	42.00	105.34
2.00	0.1000	50.00	125.40
3.00	0.1500	60.00	150.48
4.00	0.2000	76.00	190.61
6.00	0.3000	83.00	208.16
8.00	0.4000	89.00	223.21
10.00	0.5000	96.00	240.77

Field Water Content (%)

ITEMS	Quantities	units
1. Weight of container	26.80	Grm
2. Weight of Wet soil + 1	126.80	Grm
3. Weight of Dry soil + 1	107.15	Grm
4. Water Content (%)	24.45	%

C.B.R VALUE (%)

	Penetration	
	0.1 inch	0.2 inch
C.B.R VALUE (%)	4.180	4.236



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CALIFORNIA BEARING RATIO FIELD TEST

PROJECT	PEMATANGAN LAHAN CILINCING - DAN SUKAPURA	DATE OF TESTED	SEPTEMBER 2 1995
LOCATION	SUKAPURA	TESTED BY	NANA S
TYPE OF MATERIAL	SOIL	CHECKED BY	
NO. OF TESTED	37	APPROVAL BY	
ELEVATION	TOP LAYER	CALIBRATION (Lbs/Div)	2.508
COORDINATE	X: . Y:	STANDARD OF TESTED	A.S.T.M

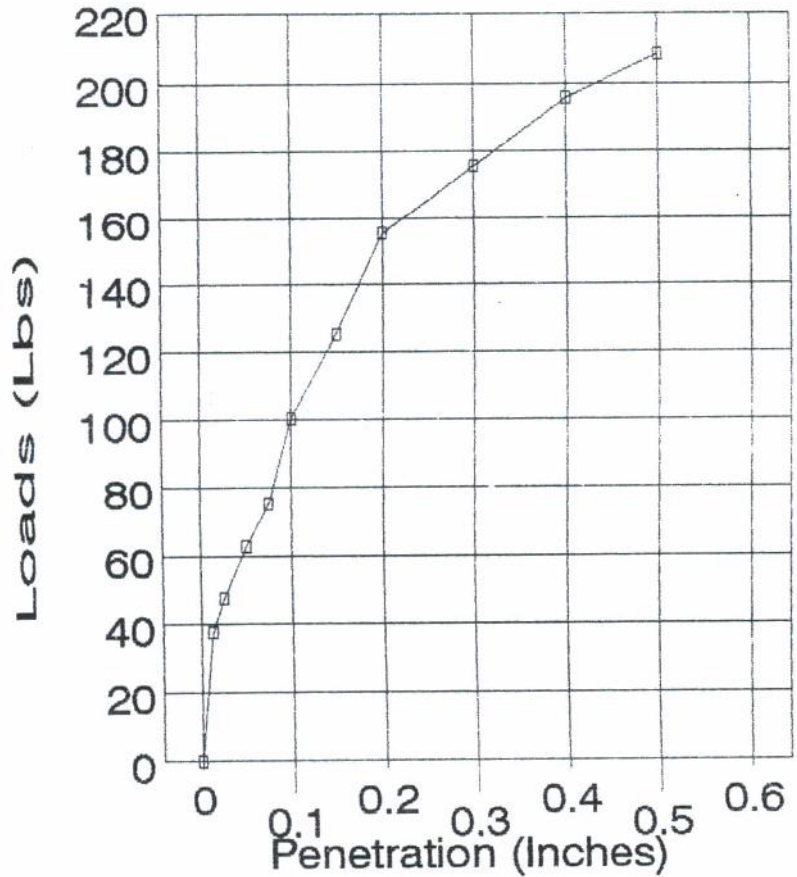
Time minute	Penetration (Inch)	DIAL LOAD	
		Prov. ring	Load (lbs)
0.00	0.0000	0.00	0.00
0.25	0.0125	15.00	37.62
0.50	0.0250	19.00	47.65
1.00	0.0500	25.00	62.70
1.50	0.0750	30.00	75.24
2.00	0.1000	40.00	100.32
3.00	0.1500	50.00	125.40
4.00	0.2000	62.00	155.50
6.00	0.3000	70.00	175.55
8.00	0.4000	78.00	195.62
10.00	0.5000	83.00	208.16

Field Water Content (%)

ITEMS	Quantities	units
1. Weight of container	33.00	Grm
2. Weight of Wet soil + 1	133.00	Grm
3. Weight of Dry soil + 1	114.44	Grm
4. Water Content (%)	22.78	%

C.B.R VALUE (%)

	Penetration	
	0.1 inch	0.2 inch
C.B.R VALUE (%)	3.344	3.455



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INSTITUT SAINS DAN TEKNOLOGI NASIONAL - JAKARTA
 Kampus ISTN Bhumi Srengseng Telp. 7270092, Fax. 7270090

CALIFORNIA BEARING RATIO FIELD TEST

PROJECT	PEMATANGAN LAHAN GIUNGING - DAN SUKAPURA	DATE OF TESTED	SEPTEMBER 2 1995
LOCATION	SUKAPURA	TESTED BY	NANA S
TYPE OF MATERIAL	SOIL	CHECKED BY	
NO. OF TESTED	38	APPROVAL BY	
ELEVATION	TOP LAYER	CALIBRATION (Lbs/Div)	2.508
COORDINATE	X: Y:	STANDARD OF TESTED	A.S.T.M

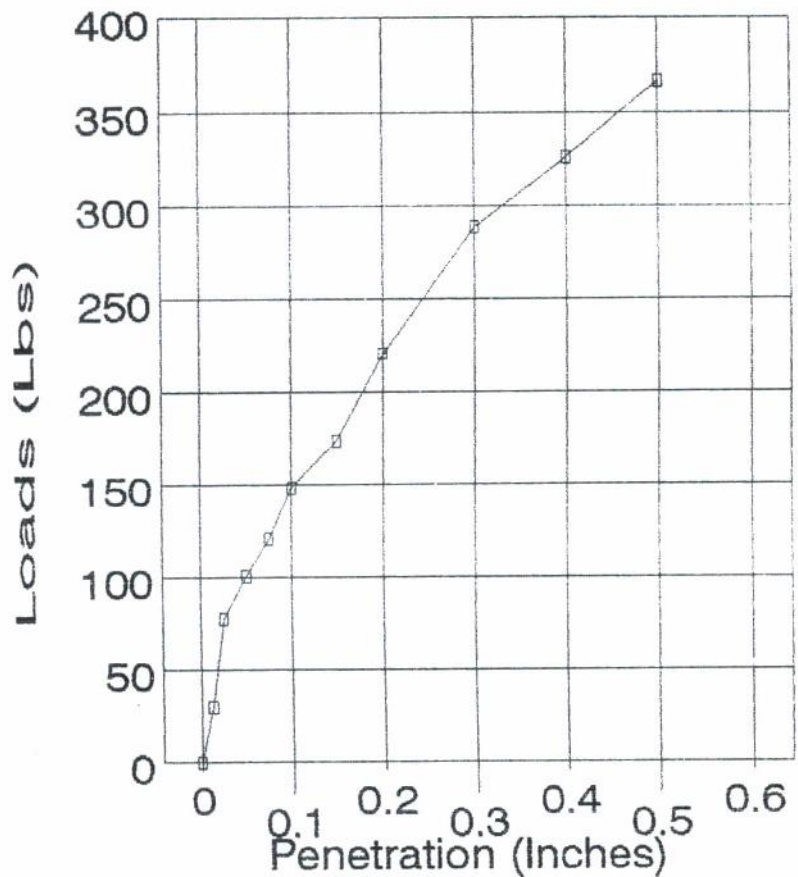
Time minute	Penetration (Inch)	DIAL LOAD	
		Prov. ring	Load (lbs)
0.00	0.0000	0.00	0.00
0.25	0.0125	12.00	30.10
0.50	0.0250	31.00	77.75
1.00	0.0500	40.00	100.32
1.50	0.0750	48.00	120.38
2.00	0.1000	59.00	147.97
3.00	0.1500	69.00	173.05
4.00	0.2000	88.00	220.70
6.00	0.3000	115.00	288.42
8.00	0.4000	130.00	328.04
10.00	0.5000	146.00	368.17

Field Water Content (%)

ITEMS	Quantities	units
1. Weight of container	31.00	Grm
2. Weight of Wet soil + 1	131.00	Grm
3. Weight of Dry soil + 1	112.46	Grm
4. Water Content (%)	22.75	%

C.B.R VALUE (%)

	Penetration	
	0.1 inch	0.2 inch
C.B.R VALUE (%)	4.932	4.905



LABORATORIUM MEKANIKA TANAH
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CALIFORNIA BEARING RATIO FIELD TEST

PROJECT	PEMATANGAN LAHAN CILINCING -- DAN SUKAPURA	DATE OF TESTED	SEPTEMBER 2 1995
LOCATION	SUKAPURA	TESTED BY	NANA S
TYPE OF MATERIAL	SOIL	CHECKED BY	
NO. OF TESTED	39	APPROVAL BY	
ELEVATION	TOP LAYER	CALIBRATION (Lbs/Div)	2.568
COORDINATE	X : Y :	STANDARD OF TESTED	A.S.T.M

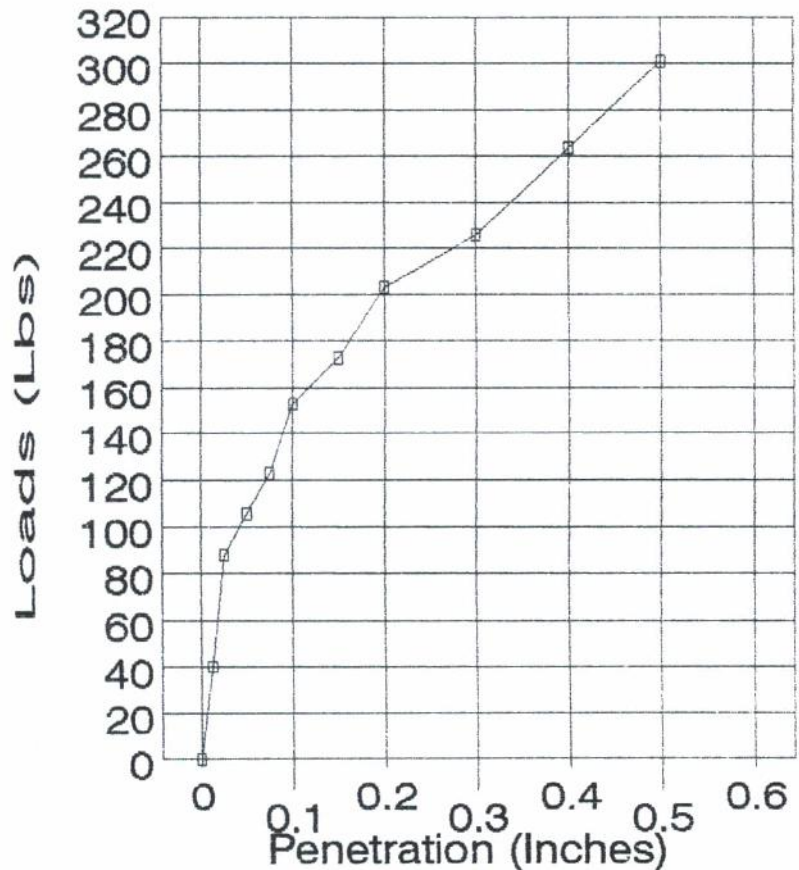
Time minute	Penetration (inch)	DIAL LOAD	
		Prov. ring	Load (lbs)
0.00	0.0000	0.00	0.00
0.25	0.0125	16.00	40.13
0.50	0.0250	35.00	87.78
1.00	0.0500	42.00	105.34
1.50	0.0750	49.00	122.89
2.00	0.1000	61.00	152.99
3.00	0.1500	69.00	173.05
4.00	0.2000	81.00	203.15
6.00	0.3000	90.00	225.72
8.00	0.4000	105.00	263.34
10.00	0.5000	120.00	300.96

Field Water Content (%)

ITEMS	Quantities	units
1. Weight of container	25.60	Grm
2. Weight of Wet soil + 1	125.80	Grm
3. Weight of Dry soil + 1	106.25	Grm
4. Water Content (%)	23.99	%

C.B.R VALUE (%)

	Penetration	
	0.1 inch	0.2 inch
C.B.R VALUE (%)	5.100	4.514



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CALIFORNIA BEARING RATIO FIELD TEST

PROJECT	PEMATANGAN LAHAN CILINCING – DAN SUKAPURA	DATE OF TESTED	SEPTEMBER 2 1995
LOCATION	SUKAPURA	TESTED BY	NANA S
TYPE OF MATERIAL	SOIL	CHECKED BY	
NO. OF TESTED	40	APPROVAL BY	
ELEVATION	TOP LAYER	CALIBRATION (Lbs/Div)	2 508
COORDINATE	X: , Y:	STANDARD OF TESTED	A.S.T.M.

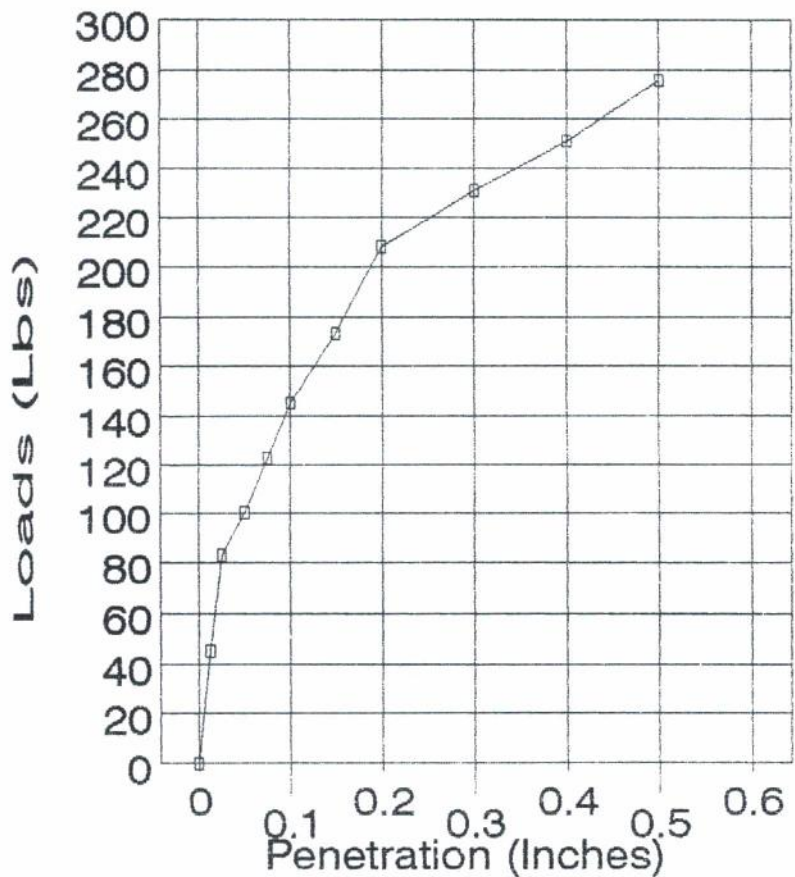
Time minuta	Penetration (Inch)	DIAL LOAD	
		Prov. ring	Load (lbs)
0.00	0.0000	0.00	0.00
0.25	0.0125	18.00	45.14
0.50	0.0250	33.00	82.76
1.00	0.0500	40.00	100.32
1.50	0.0750	49.00	122.89
2.00	0.1000	58.00	145.46
3.00	0.1500	69.00	173.05
4.00	0.2000	83.00	208.18
6.00	0.3000	92.00	230.74
8.00	0.4000	100.00	250.80
10.00	0.5000	110.00	275.88

Field Water Content (%)

ITEMS	Quantities	units
1. Weight of container	24.00	Grm
2. Weight of Wet soil + 1	124.00	Grm
3. Weight of Dry soil + 1	104.55	Grm
4. Water Content (%)	24.14	%

C.B.R VALUE (%)

	Penetration	
	0.1 Inch	0.2 Inch
C.B.R VALUE (%)	4.849	4.626



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CALIFORNIA BEARING RATIO FIELD TEST

PROJECT	PEMATANGAN LAHAN CIUNGING - DAN SUKAPURA	DATE OF TESTED	SEPTEMBER 2 1995
LOCATION	SUKAPURA	TESTED BY	NANA S
TYPE OF MATERIAL	SOIL	CHECKED BY	
NO. OF TESTED	41	APPROVAL BY	
ELEVATION	TOP LAYER	CALIBRATION (Lbs/Div)	2.508
COORDINATE	X: , Y:	STANDARD OF TESTED	A.B.T.M

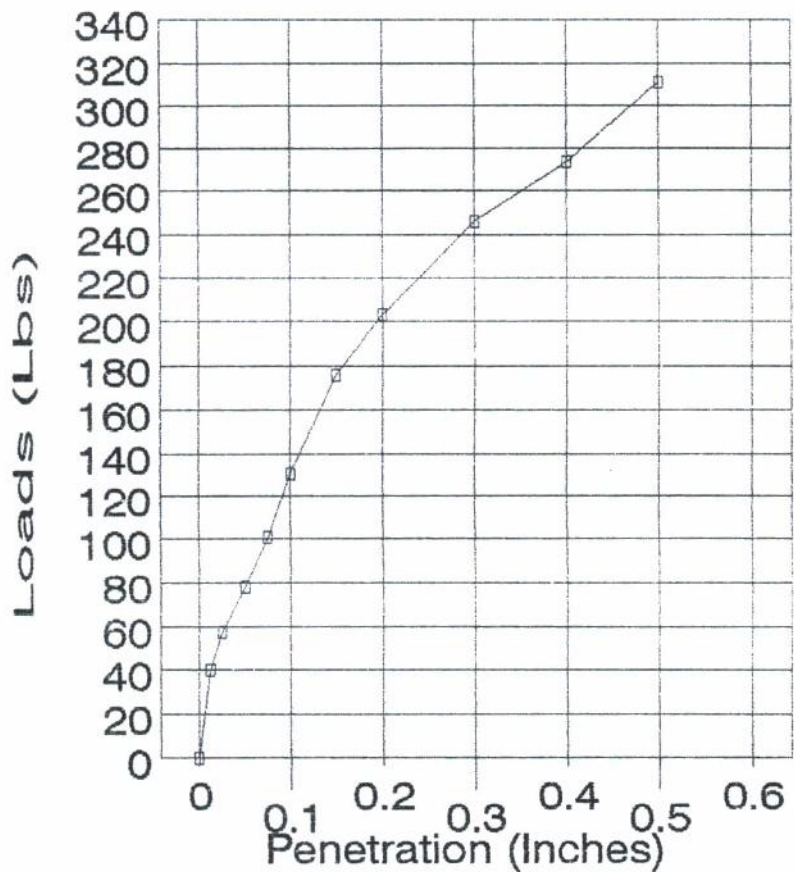
Time minute	Penetration (inch)	DIAL LOAD	
		Prov ring	Load (lbs)
0.00	0.0000	0.00	0.00
0.25	0.0125	16.00	40.13
0.50	0.0250	23.00	57.68
1.00	0.0500	31.00	77.75
1.50	0.0750	40.00	100.32
2.00	0.1000	52.00	130.42
3.00	0.1500	70.00	175.56
4.00	0.2000	81.00	203.15
6.00	0.3000	98.00	245.78
8.00	0.4000	109.00	273.37
10.00	0.5000	124.00	310.99

Field Water Content (%)

ITEMS	Quantities	units
1. Weight of container	23.00	Grm
2. Weight of Wet soil + 1	123.00	Grm
3. Weight of Dry soil + 1	102.35	Grm
4. Water Content (%)	25.03	%

C.B.R VALUE (%)

	Penetration	
	0.1 inch	0.2 inch
C.B.R VALUE (%)	4.347	4.614



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