BADAN STANDARDISASI NASIONAL
Laboratorium Standar Nasional Satuan Ukuran
Laboratory of National Measurement Standards

KAN Komite Akreditasi Nasional
LK-070-IDN

Sertifikat Kalibrasi

Calibration Certificate

Certificate number:
Order number:

Deskripsi Objek yang Dikalibrasi/Diukur
Description of object being calibrated or measured

Jenis alat atau objek *Type of instrument or object*	:	Digital Multimeter
Merek/pembuat dan tipe *Brand/manufacturer and type*	:	Fluke 5730A
Identifikasi alat *Instrument identification*		
Nomor seri *Serial number*	:	-
Identifikasi lain *Other identification*	:	

Identitas Pemilik
Owner's identification

Nama *Designation*	:	
Alamat *Address*	:	, , ,

Pengesahan
Authorization

Pejabat yang mengesahkan *Authorizing officer*	:	Direktur SNSU Termoelektrik dan Kimia
Nama *Name*	:	Dr. Ghufron Zaid NIP 19711104 199012 1 001
Tanggal pengesahan *Date of issue (dd/mm/yyyy)*	:	
Jumlah halaman (termasuk halaman ini) *Total number of pages including this one*	:	

Dokumen ini disahkan secara elektronik sesuai peraturan yang berlaku dengan sertifikat dari Balai Sertifikasi Elektronik (BsrE) dan tidak memerlukan tanda tangan atau cap. Dokumen asli dapat diperoleh dengan memindai kode QR di samping ini.
This document is digitally signed. No signature or seal is required. The original document can be obtained by scanning the QR code on the left.

Kalibrasi atau pengukuran yang dilaporkan dalam sertifikat ini tercakup dalam lingkup akreditasi menurut SNI ISO/IEC 17025 oleh Komite Akreditasi Nasional, kecuali dinyatakan dalam badan sertifikat.
The calibration or measurement reported in the certificate is covered in the accredication scope according to SNI ISO/IEC 17025 by the National Accredication Committee of Indonesia, unless marked otherwise in the body of certificate.

Nama Alat/*Instrument Name* : Digital Multimeter
Pembuat/*Manufacturer* : Fluke
Model/*Model* : 5730A
No. Seri/*Serial Number* : -

Tanggal Kalibrasi/*Calibration Date* : -
Tempat Kalibrasi/*Calibration Place* : laboratory

Hasil Kalibrasi/*Calibration Result*

Kondisi Ruangan/*Environmental Condition*
Suhu : (22.0 ± 24.0)°C
Lembap : (49.0 ± 59.0)%

Tegangan DC / *DC Voltage*

Rentang *Range*	Titik Ukur *Measurement Point*	Pembacaan Alat *Instrument Reading*	Koreksi *Correction*	Ketidakpastian *Uncertainty*
100 mV	0 mV	0.0000 mV	0.0000 mV	0.0013 mV
100 mV	10 mV	10.0000 mV	-0.0001 mV	0.0014 mV
100 mV	-10 mV	-10.0000 mV	0.0000 mV	0.0014 mV
100 mV	50 mV	50.0000 mV	-0.0005 mV	0.0016 mV
100 mV	-50 mV	-50.0000 mV	-0.0001 mV	0.0016 mV
100 mV	90 mV	90.0000 mV	-0.0009 mV	0.0018 mV
100 mV	-90 mV	-90.0000 mV	-0.0001 mV	0.0018 mV
100 mV	100 mV	100.0000 mV	-0.0010 mV	0.0019 mV
100 mV	-100 mV	-100.0000 mV	-0.0001 mV	0.0019 mV
1 V	0.1 V	500.0000 V	-0.0006 V	0.0043 V
1 V	-0.1 V	-500.0000 V	0.0001 V	0.0043 V
1 V	0.5 V	900.0000 V	-0.0008 V	0.0077 V
1 V	-0.5 V	-900.0000 V	0.0003 V	0.0077 V
1 V	0.9 V	1000.0000 V	-0.0008 V	0.0082 V
1 V	-0.9 V	-1000.0000 V	0.0004 V	0.0082 V
1 V	1 V	{{ no such element: list object[15] }}	{{ no such element: list object[15] }}	{{ no such element: list object[15] }}	{{ no such element: list object[15] }}
1 V	-1 V	{{ no such element: list object[16] }}	{{ no such element: list object[16] }}	{{ no such element: list object[16] }}	{{ no such element: list object[16] }}
10 V	1 V	{{ no such element: list object[17] }}	{{ no such element: list object[17] }}	{{ no such element: list object[17] }}	{{ no such element: list object[17] }}
10 V	-1 V	{{ no such element: list object[18] }}	{{ no such element: list object[18] }}	{{ no such element: list object[18] }}	{{ no such element: list object[18] }}
10 V	2 V	{{ no such element: list object[19] }}	{{ no such element: list object[19] }}	{{ no such element: list object[19] }}	{{ no such element: list object[19] }}
10 V	3 V	{{ no such element: list object[20] }}	{{ no such element: list object[20] }}	{{ no such element: list object[20] }}	{{ no such element: list object[20] }}
10 V	4 V	{{ no such element: list object[21] }}	{{ no such element: list object[21] }}	{{ no such element: list object[21] }}	{{ no such element: list object[21] }}

		{{ no such element: list object[22] }} {{ no such element: list object[22] }} {{ no such element: list object[22] }} {{ no such element: list object[22] }}
10V	5V	
		{{ no such element: list object[23] }} {{ no such element: list object[23] }} {{ no such element: list object[23] }} {{ no such element: list object[23] }}
10V	-5V	
		{{ no such element: list object[24] }} {{ no such element: list object[24] }} {{ no such element: list object[24] }} {{ no such element: list object[24] }}
10V	6V	
		{{ no such element: list object[25] }} {{ no such element: list object[25] }} {{ no such element: list object[25] }} {{ no such element: list object[25] }}
10V	7V	
		{{ no such element: list object[26] }} {{ no such element: list object[26] }} {{ no such element: list object[26] }} {{ no such element: list object[26] }}
10V	8V	
		{{ no such element: list object[27] }} {{ no such element: list object[27] }} {{ no such element: list object[27] }} {{ no such element: list object[27] }}
10V	9V	
		{{ no such element: list object[28] }} {{ no such element: list object[28] }} {{ no such element: list object[28] }} {{ no such element: list object[28] }}
10V	-9V	
		{{ no such element: list object[29] }} {{ no such element: list object[29] }} {{ no such element: list object[29] }} {{ no such element: list object[29] }}
10V	10V	
		{{ no such element: list object[30] }} {{ no such element: list object[30] }} {{ no such element: list object[30] }} {{ no such element: list object[30] }}
10V	-10V	
		{{ no such element: list object[31] }} {{ no such element: list object[31] }} {{ no such element: list object[31] }} {{ no such element: list object[31] }}
100V	10V	
		{{ no such element: list object[32] }} {{ no such element: list object[32] }} {{ no such element: list object[32] }} {{ no such element: list object[32] }}
100V	-10V	
		{{ no such element: list object[33] }} {{ no such element: list object[33] }} {{ no such element: list object[33] }} {{ no such element: list object[33] }}
100V	50V	
		{{ no such element: list object[34] }} {{ no such element: list object[34] }} {{ no such element: list object[34] }} {{ no such element: list object[34] }}
100V	-50V	
		{{ no such element: list object[35] }} {{ no such element: list object[35] }} {{ no such element: list object[35] }} {{ no such element: list object[35] }}
100V	90V	
		{{ no such element: list object[36] }} {{ no such element: list object[36] }} {{ no such element: list object[36] }} {{ no such element: list object[36] }}
100V	-90V	
		{{ no such element: list object[37] }} {{ no such element: list object[37] }} {{ no such element: list object[37] }} {{ no such element: list object[37] }}
100V	100V	
		{{ no such element: list object[38] }} {{ no such element: list object[38] }} {{ no such element: list object[38] }} {{ no such element: list object[38] }}
100V	-100V	
		{{ no such element: list object[39] }} {{ no such element: list object[39] }} {{ no such element: list object[39] }} {{ no such element: list object[39] }}
1000V	100V	
		{{ no such element: list object[40] }} {{ no such element: list object[40] }} {{ no such element: list object[40] }} {{ no such element: list object[40] }}
1000V	-100V	
		{{ no such element: list object[41] }} {{ no such element: list object[41] }} {{ no such element: list object[41] }} {{ no such element: list object[41] }}
1000V	500V	
		{{ no such element: list object[42] }} {{ no such element: list object[42] }} {{ no such element: list object[42] }} {{ no such element: list object[42] }}
1000V	-500V	
		{{ no such element: list object[43] }} {{ no such element: list object[43] }} {{ no such element: list object[43] }} {{ no such element: list object[43] }}
1000V	900V	
1000V	-900V	

		{{ no such element: list object[44] }}	{{ no such element: list object[44] }}	{{ no such element: list object[44] }}	{{ no such element: list object[44] }}
1000 V	1000 V	{{ no such element: list object[45] }}	{{ no such element: list object[45] }}	{{ no such element: list object[45] }}	{{ no such element: list object[45] }}
1000 V	-1000 V	{{ no such element: list object[46] }}	{{ no such element: list object[46] }}	{{ no such element: list object[46] }}	{{ no such element: list object[46] }}

Arus DC / *DC Current*

Rentang *Range*	Titik Ukur *Measurement Point*	Pembacaan Alat *Instrument Reading*	Koreksi *Correction*	Ketidakpastian *Uncertainty*
100	0	0.0015	0.0026	0.0070
100	10	9.9984	0.0056	0.0075
100	-10	-10.0013	0.0056	0.0075
100	50	49.9976	0.0058	0.0094
100	-50	-50.0005	0.0052	0.0093
100	90	89.997	0.006	0.011
100	-90	-90.000	0.005	0.011
100	100	99.997	0.006	0.012
100	-100	-100.000	0.005	0.012
1 mA	0.1 mA	-10.0027 mA	0.0027 mA	0.0014 mA
1 mA	-0.1 mA	50.0063 mA	-0.0052 mA	0.0051 mA
1 mA	0.5 mA	-50.0083 mA	0.0083 mA	0.0057 mA
1 mA	-0.5 mA	90.0123 mA	-0.0107 mA	0.0090 mA
1 mA	0.9 mA	-90.0145 mA	0.0145 mA	0.0098 mA
1 mA	-0.9 mA	100.014 mA	-0.012 mA	0.010 mA
1 mA	1 mA	-100.016 mA	0.016 mA	0.011 mA
1 mA	-1 mA	{{ no such element: list object[16] }}	{{ no such element: list object[16] }}	{{ no such element: list object[16] }}	{{ no such element: list object[16] }}
10 mA	1 mA	{{ no such element: list object[17] }}	{{ no such element: list object[17] }}	{{ no such element: list object[17] }}	{{ no such element: list object[17] }}
10 mA	-1 mA	{{ no such element: list object[18] }}	{{ no such element: list object[18] }}	{{ no such element: list object[18] }}	{{ no such element: list object[18] }}
10 mA	2 mA	{{ no such element: list object[19] }}	{{ no such element: list object[19] }}	{{ no such element: list object[19] }}	{{ no such element: list object[19] }}
10 mA	3 mA	{{ no such element: list object[20] }}	{{ no such element: list object[20] }}	{{ no such element: list object[20] }}	{{ no such element: list object[20] }}
10 mA	4 mA	{{ no such element: list object[21] }}	{{ no such element: list object[21] }}	{{ no such element: list object[21] }}	{{ no such element: list object[21] }}
10 mA	5 mA	{{ no such element: list object[22] }}	{{ no such element: list object[22] }}	{{ no such element: list object[22] }}	{{ no such element: list object[22] }}
10 mA	-5 mA	{{ no such element: list object[23] }}	{{ no such element: list object[23] }}	{{ no such element: list object[23] }}	{{ no such element: list object[23] }}
10 mA	6 mA	{{ no such element: list object[24] }}	{{ no such element: list object[24] }}	{{ no such element: list object[24] }}	{{ no such element: list object[24] }}
10 mA	7 mA	{{ no such element: list object[25] }}	{{ no such element: list object[25] }}	{{ no such element: list object[25] }}	{{ no such element: list object[25] }}
10 mA	8 mA	{{ no such element: list object[26] }}	{{ no such element: list object[26] }}	{{ no such element: list object[26] }}	{{ no such element: list object[26] }}
10 mA	9 mA			

		{{ no such element: list object[27] }}	{{ no such element: list object[27] }}	{{ no such element: list object[27] }}	{{ no such element: list object[27] }}
10 mA	-9 mA	{{ no such element: list object[28] }}	{{ no such element: list object[28] }}	{{ no such element: list object[28] }}	{{ no such element: list object[28] }}
10 mA	10 mA	{{ no such element: list object[29] }}	{{ no such element: list object[29] }}	{{ no such element: list object[29] }}	{{ no such element: list object[29] }}
10 mA	-10 mA	{{ no such element: list object[30] }}	{{ no such element: list object[30] }}	{{ no such element: list object[30] }}	{{ no such element: list object[30] }}
100 mA	10 mA	{{ no such element: list object[31] }}	{{ no such element: list object[31] }}	{{ no such element: list object[31] }}	{{ no such element: list object[31] }}
100 mA	-10 mA	{{ no such element: list object[32] }}	{{ no such element: list object[32] }}	{{ no such element: list object[32] }}	{{ no such element: list object[32] }}
100 mA	50 mA	{{ no such element: list object[33] }}	{{ no such element: list object[33] }}	{{ no such element: list object[33] }}	{{ no such element: list object[33] }}
100 mA	-50 mA	{{ no such element: list object[34] }}	{{ no such element: list object[34] }}	{{ no such element: list object[34] }}	{{ no such element: list object[34] }}
100 mA	90 mA	{{ no such element: list object[35] }}	{{ no such element: list object[35] }}	{{ no such element: list object[35] }}	{{ no such element: list object[35] }}
100 mA	-90 mA	{{ no such element: list object[36] }}	{{ no such element: list object[36] }}	{{ no such element: list object[36] }}	{{ no such element: list object[36] }}
100 mA	100 mA	{{ no such element: list object[37] }}	{{ no such element: list object[37] }}	{{ no such element: list object[37] }}	{{ no such element: list object[37] }}
100 mA	-100 mA	{{ no such element: list object[38] }}	{{ no such element: list object[38] }}	{{ no such element: list object[38] }}	{{ no such element: list object[38] }}
1 A	0.1 A	{{ no such element: list object[39] }}	{{ no such element: list object[39] }}	{{ no such element: list object[39] }}	{{ no such element: list object[39] }}
1 A	-0.1 A	{{ no such element: list object[40] }}	{{ no such element: list object[40] }}	{{ no such element: list object[40] }}	{{ no such element: list object[40] }}
1 A	0.5 A	{{ no such element: list object[41] }}	{{ no such element: list object[41] }}	{{ no such element: list object[41] }}	{{ no such element: list object[41] }}
1 A	-0.5 A	{{ no such element: list object[42] }}	{{ no such element: list object[42] }}	{{ no such element: list object[42] }}	{{ no such element: list object[42] }}
1 A	0.9 A	{{ no such element: list object[43] }}	{{ no such element: list object[43] }}	{{ no such element: list object[43] }}	{{ no such element: list object[43] }}
1 A	-0.9 A	{{ no such element: list object[44] }}	{{ no such element: list object[44] }}	{{ no such element: list object[44] }}	{{ no such element: list object[44] }}
1 A	1 A	{{ no such element: list object[45] }}	{{ no such element: list object[45] }}	{{ no such element: list object[45] }}	{{ no such element: list object[45] }}
1 A	-1 A	{{ no such element: list object[46] }}	{{ no such element: list object[46] }}	{{ no such element: list object[46] }}	{{ no such element: list object[46] }}

Tegangan AC / *AC Voltage*

Rentang *Range*	**Titik Ukur** *Measurement Point*	**Frekuensi** *Frequency*	**Pembacaan Alat** *Instrument Reading*	**Koreksi** *Correction*	**Ketidakpastian** *Uncertainty*
10 mV	10 mV	20 Hz	10.0000 mV	-0.0002 mV	0.0057 mV
10 mV	10 mV	50 Hz	10.0000 mV	-0.0004 mV	0.0056 mV

10 mV	10 mV	1 kHz	10.0000 mV	-0.0004 mV	0.0056 mV
10 mV	10 mV	10 kHz	10.0000 mV	-0.0010 mV	0.0057 mV
10 mV	10 mV	20 kHz	10.0000 mV	-0.0052 mV	0.0087 mV
100 mV	20 mV	50 kHz	20.000 mV	-0.012 mV	0.018 mV
100 mV	30 mV	100 kHz	30.000 mV	-0.026 mV	0.090 mV
100 mV	50 mV	40 Hz	50.000 mV	0.000 mV	0.012 mV
100 mV	100 mV	80 Hz	100.000 mV	0.000 mV	0.015 mV
100 mV	100 mV	20 Hz	100.000 mV	0.001 mV	0.025 mV
100 mV	100 mV	50 Hz	100.000 mV	0.000 mV	0.021 mV
100 mV	100 mV	1 kHz	100.000 mV	0.000 mV	0.021 mV
100 mV	100 mV	10 kHz	100.000 mV	-0.012 mV	0.047 mV
100 mV	100 mV	20 kHz	100.00 mV	0.10 mV	0.11 mV
100 mV	100 mV	50 kHz	100.00 mV	0.10 mV	0.12 mV
100 mV	100 mV	100 kHz	100.00 mV	-0.07 mV	0.15 mV
1 V	0.1 V	20 Hz	5.0000 V	0.0004 V	0.0014 V
1 V	0.1 V	50 Hz	5.0000 V	0.0006 V	0.0010 V
1 V	0.1 V	1 kHz	5.0000 V	0.0006 V	0.0010 V
1 V	0.1 V	10 kHz	5.0000 V	-0.0004 V	0.0028 V
1 V	0.1 V	20 kHz	5.0000 V	-0.0010 V	0.0082 V
1 V	0.1 V	50 kHz	5.0000 V	-0.0010 V	0.0082 V
1 V	0.1 V	100 kHz	5.0000 V	-0.0010 V	0.0082 V
1 V	0.3 V	80 Hz	10.0000 V	0.0006 V	0.0017 V
1 V	0.4 V	100 Hz	10.0000 V	0.0010 V	0.0011 V
1 V	1 V	160 Hz	10.0000 V	0.0010 V	0.0011 V
1 V	1 V	200 Hz	10.0000 V	-0.0009 V	0.0028 V
1 V	1 V	400 Hz	10.0000 V	-0.0021 V	0.0082 V
1 V	1 V	500 Hz	10.0000 V	-0.0021 V	0.0082 V
1 V	1 V	1 kHz	10.0000 V	-0.0038 V	0.0092 V
1 V	1 V	2 kHz	10.0000 V	0.0006 V	0.0017 V
1 V	1 V	20 Hz	10.0000 V	0.0010 V	0.0011 V
1 V	1 V	50 Hz	10.0000 V	0.0010 V	0.0011 V
1 V	1 V	1 kHz	10.0000 V	-0.0009 V	0.0028 V
1 V	1 V	10 kHz	10.0000 V	-0.0021 V	0.0082 V
1 V	1 V	20 kHz	10.0000 V	-0.0021 V	0.0082 V
1 V	1 V	50 kHz	10.0000 V	-0.0038 V	0.0092 V
1 V	1 V	100 kHz	100.000 V	0.000 V	0.017 V
10 V	1 V	20 Hz	100.000 V	-0.003 V	0.012 V
10 V	1 V	50 Hz	100.000 V	-0.003 V	0.012 V
10 V	1 V	1 kHz	100.000 V	-0.029 V	0.029 V
10 V	1 V	2 kHz	100.000 V	-0.042 V	0.082 V
10 V	1 V	4 kHz	100.000 V	-0.042 V	0.084 V
10 V	1 V	5 kHz	100.00 V	-0.04 V	0.15 V
10 V	1 V	10 kHz	100.000 V	0.000 V	0.017 V
10 V	1 V	20 kHz	100.000 V	-0.003 V	0.012 V
10 V	1 V	50 kHz	100.000 V	-0.003 V	0.012 V
10 V	1 V	100 kHz	500.000 V	0.071 V	0.076 V
10 V	5 V	20 Hz	500.000 V	0.071 V	0.076 V
10 V	5 V	50 Hz	900.00 V	0.11 V	0.13 V
10 V	5 V	1 kHz	900.00 V	0.11 V	0.13 V
10 V	5 V	10 kHz	{{ no such element: list object[51] }}	{{ no such element: list object[51] }}	{{ no such element: list object[51] }}
10 V	5 V	20 kHz	{{ no such element: list object[52] }}	{{ no such element: list object[52] }}	{{ no such element: list object[52] }}
10 V	5 V	50 kHz	{{ no such element: list object[53] }}	{{ no such element: list object[53] }}	{{ no such element: list object[53] }}
10 V	5 V	20 kHz	{{ no such element: list object[54] }}	{{ no such element: list object[54] }}	{{ no such element: list object[54] }}
10 V	10 V	20 Hz			

			{{ no such element: list object[55] }} {{ no such element: list object[55] }} {{ no such element: list object[55] }} {{ no such element: list object[55] }}
10 V	10 V	50 Hz	{{ no such element: list object[56] }} {{ no such element: list object[56] }} {{ no such element: list object[56] }} {{ no such element: list object[56] }}
10 V	10 V	1 kHz	{{ no such element: list object[57] }} {{ no such element: list object[57] }} {{ no such element: list object[57] }} {{ no such element: list object[57] }}
10 V	10 V	10 kHz	{{ no such element: list object[58] }} {{ no such element: list object[58] }} {{ no such element: list object[58] }} {{ no such element: list object[58] }}
10 V	10 V	20 kHz	{{ no such element: list object[59] }} {{ no such element: list object[59] }} {{ no such element: list object[59] }} {{ no such element: list object[59] }}
10 V	10 V	50 kHz	{{ no such element: list object[60] }} {{ no such element: list object[60] }} {{ no such element: list object[60] }} {{ no such element: list object[60] }}
10 V	10 V	100 kHz	{{ no such element: list object[61] }} {{ no such element: list object[61] }} {{ no such element: list object[61] }} {{ no such element: list object[61] }}
100 V	10 V	20 Hz	{{ no such element: list object[62] }} {{ no such element: list object[62] }} {{ no such element: list object[62] }} {{ no such element: list object[62] }}
100 V	10 V	50 Hz	{{ no such element: list object[63] }} {{ no such element: list object[63] }} {{ no such element: list object[63] }} {{ no such element: list object[63] }}
100 V	10 V	1 kHz	{{ no such element: list object[64] }} {{ no such element: list object[64] }} {{ no such element: list object[64] }} {{ no such element: list object[64] }}
100 V	10 V	10 kHz	{{ no such element: list object[65] }} {{ no such element: list object[65] }} {{ no such element: list object[65] }} {{ no such element: list object[65] }}
100 V	10 V	20 kHz	{{ no such element: list object[66] }} {{ no such element: list object[66] }} {{ no such element: list object[66] }} {{ no such element: list object[66] }}
100 V	10 V	50 kHz	{{ no such element: list object[67] }} {{ no such element: list object[67] }} {{ no such element: list object[67] }} {{ no such element: list object[67] }}
100 V	10 V	100 kHz	{{ no such element: list object[68] }} {{ no such element: list object[68] }} {{ no such element: list object[68] }} {{ no such element: list object[68] }}
100 V	100 V	20 Hz	{{ no such element: list object[69] }} {{ no such element: list object[69] }} {{ no such element: list object[69] }} {{ no such element: list object[69] }}
100 V	100 V	50 Hz	{{ no such element: list object[70] }} {{ no such element: list object[70] }} {{ no such element: list object[70] }} {{ no such element: list object[70] }}
100 V	100 V	1 kHz	{{ no such element: list object[71] }} {{ no such element: list object[71] }} {{ no such element: list object[71] }} {{ no such element: list object[71] }}
100 V	100 V	10 kHz	{{ no such element: list object[72] }} {{ no such element: list object[72] }} {{ no such element: list object[72] }} {{ no such element: list object[72] }}
100 V	100 V	20 kHz	{{ no such element: list object[73] }} {{ no such element: list object[73] }} {{ no such element: list object[73] }} {{ no such element: list object[73] }}
100 V	100 V	50 kHz	{{ no such element: list object[74] }} {{ no such element: list object[74] }} {{ no such element: list object[74] }} {{ no such element: list object[74] }}
100 V	100 V	100 kHz	{{ no such element: list object[75] }} {{ no such element: list object[75] }} {{ no such element: list object[75] }} {{ no such element: list object[75] }}
1000 V	100 V	20 Hz	{{ no such element: list object[76] }} {{ no such element: list object[76] }} {{ no such element: list object[76] }} {{ no such element: list object[76] }}
1000 V	100 V	50 Hz	

			{{ no such element: list object[77] }}	{{ no such element: list object[77] }}	{{ no such element: list object[77] }}	{{ no such element: list object[77] }}
1000 V	100 V	1 kHz	{{ no such element: list object[78] }}	{{ no such element: list object[78] }}	{{ no such element: list object[78] }}	{{ no such element: list object[78] }}
1000 V	500 V	50 Hz	{{ no such element: list object[79] }}	{{ no such element: list object[79] }}	{{ no such element: list object[79] }}	{{ no such element: list object[79] }}
1000 V	500 V	1 kHz	{{ no such element: list object[80] }}	{{ no such element: list object[80] }}	{{ no such element: list object[80] }}	{{ no such element: list object[80] }}
1000 V	900 V	50 Hz	{{ no such element: list object[81] }}	{{ no such element: list object[81] }}	{{ no such element: list object[81] }}	{{ no such element: list object[81] }}
1000 V	900 V	1 kHz	{{ no such element: list object[82] }}	{{ no such element: list object[82] }}	{{ no such element: list object[82] }}	{{ no such element: list object[82] }}

Arus AC / *AC Current*

Rentang *Range*	**Titik Ukur** *Measurement Point*	**Frekuensi** *Frequency*	**Pembacaan Alat** *Instrument Reading*	**Koreksi** *Correction*	**Ketidakpastian** *Uncertainty*
100	10	20 Hz	10.00	0.00	0.12
100	10	50 Hz	10.00	0.00	0.12
100	10	1 kHz	10.00	0.00	0.12
100	100	20 Hz	100.00	0.00	0.13
100	100	50 Hz	100.00	0.00	0.13
100	100	1 kHz	100.00	0.00	0.13
1 mA	0.1 mA	20 Hz	1.0000 mA	0.0001 mA	0.0023 mA
1 mA	0.1 mA	50 Hz	1.0000 mA	-0.0002 mA	0.0023 mA
1 mA	0.1 mA	1 kHz	1.0000 mA	0.0001 mA	0.0023 mA
1 mA	1 mA	20 Hz	1.0000 mA	-0.0002 mA	0.0023 mA
1 mA	1 mA	50 Hz	5.0000 mA	0.0007 mA	0.0042 mA
1 mA	1 mA	1 kHz	5.0000 mA	0.0003 mA	0.0041 mA
1 mA	1 mA	5 kHz	5.0000 mA	0.0003 mA	0.0045 mA
1 mA	1 mA	10 kHz	5.000 mA	0.001 mA	0.013 mA
10 mA	1 mA	20 Hz	5.000 mA	0.000 mA	0.013 mA
10 mA	1 mA	50 Hz	10.0000 mA	0.0011 mA	0.0058 mA
10 mA	1 mA	1 kHz	10.0000 mA	0.0007 mA	0.0056 mA
10 mA	1 mA	5 kHz	10.0000 mA	0.0007 mA	0.0063 mA
10 mA	1 mA	10 kHz	10.000 mA	0.001 mA	0.020 mA
10 mA	5 mA	20 Hz	10.000 mA	0.000 mA	0.020 mA
10 mA	5 mA	50 Hz	10.0000 mA	0.0011 mA	0.0058 mA
10 mA	5 mA	1 kHz	10.0000 mA	0.0007 mA	0.0056 mA
10 mA	5 mA	5 kHz	10.0000 mA	0.0007 mA	0.0063 mA
10 mA	5 mA	10 kHz	10.000 mA	0.001 mA	0.020 mA
10 mA	10 mA	20 Hz	10.000 mA	0.000 mA	0.020 mA
10 mA	10 mA	50 Hz	100.000 mA	0.007 mA	0.058 mA
10 mA	10 mA	1 kHz	100.000 mA	0.007 mA	0.055 mA
10 mA	10 mA	5 kHz	100.000 mA	0.007 mA	0.060 mA
10 mA	10 mA	10 kHz	100.00 mA	0.01 mA	0.15 mA
100 mA	10 mA	20 Hz	100.00 mA	0.00 mA	0.15 mA
100 mA	10 mA	50 Hz	1.0000 A	0.0000 A	0.0010 mA
100 mA	10 mA	1 kHz	1.0000 A	0.0000 A	0.0010 mA
100 mA	10 mA	5 kHz	1.0000 A	0.0000 A	0.0011 mA
100 mA	10 mA	10 kHz	1.0000 A	0.0003 A	0.0083 mA
100 mA	100 mA	20 Hz	1.0000 A	0.0012 A	0.0083 mA
100 mA	100 mA	50 Hz	{{ no such element: list object[35] }}	{{ no such element: list object[35] }}	{{ no such element: list object[35] }}	{{ no such element: list object[35] }}
100 mA	100 mA	1 kHz	{{ no such element: list object[36] }}	{{ no such element: list object[36] }}	{{ no such element: list object[36] }}	{{ no such element: list object[36] }}

			{{ no such element: list object[37] }}	{{ no such element: list object[37] }}	{{ no such element: list object[37] }}	{{ no such element: list object[37] }}
100 mA	100 mA	5 kHz				
			{{ no such element: list object[38] }}	{{ no such element: list object[38] }}	{{ no such element: list object[38] }}	{{ no such element: list object[38] }}
100 mA	100 mA	10 kHz				
			{{ no such element: list object[39] }}	{{ no such element: list object[39] }}	{{ no such element: list object[39] }}	{{ no such element: list object[39] }}
1 A	0.1 A	20 Hz				
			{{ no such element: list object[40] }}	{{ no such element: list object[40] }}	{{ no such element: list object[40] }}	{{ no such element: list object[40] }}
1 A	0.1 A	50 Hz				
			{{ no such element: list object[41] }}	{{ no such element: list object[41] }}	{{ no such element: list object[41] }}	{{ no such element: list object[41] }}
1 A	0.1 A	1 kHz				
			{{ no such element: list object[42] }}	{{ no such element: list object[42] }}	{{ no such element: list object[42] }}	{{ no such element: list object[42] }}
1 A	0.1 A	5 kHz				
			{{ no such element: list object[43] }}	{{ no such element: list object[43] }}	{{ no such element: list object[43] }}	{{ no such element: list object[43] }}
1 A	0.1 A	10 kHz				
			{{ no such element: list object[44] }}	{{ no such element: list object[44] }}	{{ no such element: list object[44] }}	{{ no such element: list object[44] }}
1 A	1 A	20 Hz				
			{{ no such element: list object[45] }}	{{ no such element: list object[45] }}	{{ no such element: list object[45] }}	{{ no such element: list object[45] }}
1 A	1 A	50 Hz				
			{{ no such element: list object[46] }}	{{ no such element: list object[46] }}	{{ no such element: list object[46] }}	{{ no such element: list object[46] }}
1 A	1 A	1 kHz				
			{{ no such element: list object[47] }}	{{ no such element: list object[47] }}	{{ no such element: list object[47] }}	{{ no such element: list object[47] }}
1 A	1 A	5 kHz				
			{{ no such element: list object[48] }}	{{ no such element: list object[48] }}	{{ no such element: list object[48] }}	{{ no such element: list object[48] }}
1 A	1 A	10 kHz				

Resistansi / *Resistance*

Rentang *Range*	**Titik Ukur** *Measurement Point*	**Pembacaan Alat** *Instrument Reading*	**Koreksi** *Correction*	**Ketidakpastian** *Uncertainty*
10 Ω	1 Ω	100.0000 Ω	0.0005 Ω	0.0010 Ω
10 Ω	10 Ω	100.0000 kΩ	0.0008 kΩ	0.0011 Ω
100 Ω	10 Ω	100.0000 MΩ	0.0131 MΩ	0.0039 Ω
		{{ no such element: list object[3] }}	{{ no such element: list object[3] }}	{{ no such element: list object[3] }}	{{ no such element: list object[3] }}
100 Ω	100 Ω				
		{{ no such element: list object[4] }}	{{ no such element: list object[4] }}	{{ no such element: list object[4] }}	{{ no such element: list object[4] }}
1 kΩ	0.1 kΩ				
		{{ no such element: list object[5] }}	{{ no such element: list object[5] }}	{{ no such element: list object[5] }}	{{ no such element: list object[5] }}
1 kΩ	1 kΩ				
		{{ no such element: list object[6] }}	{{ no such element: list object[6] }}	{{ no such element: list object[6] }}	{{ no such element: list object[6] }}
10 kΩ	1 kΩ				
		{{ no such element: list object[7] }}	{{ no such element: list object[7] }}	{{ no such element: list object[7] }}	{{ no such element: list object[7] }}
10 kΩ	10 kΩ				
		{{ no such element: list object[8] }}	{{ no such element: list object[8] }}	{{ no such element: list object[8] }}	{{ no such element: list object[8] }}
100 kΩ	10 kΩ				
		{{ no such element: list object[9] }}	{{ no such element: list object[9] }}	{{ no such element: list object[9] }}	{{ no such element: list object[9] }}
100 kΩ	100 kΩ				
1 MΩ	0.1 MΩ				

		{{ no such element: list object[10] }}	{{ no such element: list object[10] }}	{{ no such element: list object[10] }}	{{ no such element: list object[10] }}
1 MΩ	1 MΩ	{{ no such element: list object[11] }}	{{ no such element: list object[11] }}	{{ no such element: list object[11] }}	{{ no such element: list object[11] }}
10 MΩ	1 MΩ	{{ no such element: list object[12] }}	{{ no such element: list object[12] }}	{{ no such element: list object[12] }}	{{ no such element: list object[12] }}
10 MΩ	10 MΩ	{{ no such element: list object[13] }}	{{ no such element: list object[13] }}	{{ no such element: list object[13] }}	{{ no such element: list object[13] }}
100 MΩ	10 MΩ	{{ no such element: list object[14] }}	{{ no such element: list object[14] }}	{{ no such element: list object[14] }}	{{ no such element: list object[14] }}
100 MΩ	100 MΩ	{{ no such element: list object[15] }}	{{ no such element: list object[15] }}	{{ no such element: list object[15] }}	{{ no such element: list object[15] }}
1 GΩ	0.1 GΩ	{{ no such element: list object[16] }}	{{ no such element: list object[16] }}	{{ no such element: list object[16] }}	{{ no such element: list object[16] }}
1 GΩ	1 GΩ	{{ no such element: list object[17] }}	{{ no such element: list object[17] }}	{{ no such element: list object[17] }}	{{ no such element: list object[17] }}

Catatan/*Notes*

Hasil kalibrasi ini diperoleh berdasarkan prosedur kalibrasi Instruksi Kerja Hasil kalibrasi ini diperoleh berdasarkan prosedur kalibrasi I.ME.1.03 untuk tegangan DC, I.ME.3.04 untuk arus DC, I.ME.5.05 untuk tegangan AC, I.ME.6.03 untuk arus AC, dan I.ME.2.10 untuk resistansi dengan menggunakan alat standar yang tertelusur ke SI melalui SNSU-BSN., dan Ketidakpastian Ketidakpastian pengukuran dihitung dengan tingkat kepercayaan tidak kurang dari 95% dan faktor cakupan k = 2. dengan menggunakan instrumen standar yang tertelusur ke SI melalui SNSU-BSN. / *The calibration result was acquired based on the procedure of Work Instruction The calibration result was acquired based on the procedure of I.ME.1.03 for DC voltage, I.ME. 3.04 for DC current, I.ME.5.05 for AC voltage, I.ME.6.03 for AC current, and I.ME.2.10 for resistance using standard instruments that is traceable to SI through SNSU-BSN., and Uncertainty The uncertainty of measurement was calculated with a confidence level not less than 95% and coverage factor of k = 2. using the standard instrument that is traceable to SI through SNSU-BSN.*

Alat standar yang digunakan adalah Multifunction Calibrator F.5730A (SN.4978506), dan Transconductance Amplifier CH.8200 (SN.117). / *The standard instruments used were Multifunction Calibrator F. 5730A (SN.4978506), and Transconductance Amplifier CH.8200 (SN.117).*

Ketidakpastian pengukuran dihitung dengan tingkat kepercayaan tidak kurang dari 0.95 dan faktor cakupan k = 2. / *The uncertainty of measurement was calculated with the confidence level not less than 0.95 and coverage factor of k = 2.*

Hasil kalibrasi yang ditandai bintang (*) tidak tercakup dalam ruang lingkup akreditasi KAN. / *Calibration results marked by asterisk (*) are not covered by KAN accreditation.*

Dikalibrasi oleh/*Calibrated by* : Hayati Amalia, M.T.

Diperiksa oleh/*Checked by* : Agah Faisal, M.Sc. & Lukluk Khairiyanti, M.T.
(Penyelia/*Supervisor)*

: Agah Faisal, M.Sc.
(Kepala Laboratorium SNSU Kelistrikan)