

No :
Tanggal : 20 Juli 2026
Dari : Engineering

SURAT PERMINTAAN JASA

No	Kode Barang	Nama Barang, Tipe, Spesifikasi	Lokasi / User	Riwayat Pengajuan				Jumlah Permintaan	Satuan	Target Date	Kategori		Keterangan
				Tanggal	Jumlah	No SPB	Supplier						
1	IMO10041	Jasa Kalibrasi Thermometer 2 Channel ETI/Therma Differential /231-022 Kapasitas '-99 ~ 1372 °C SN : D 16510017 No Inventaris : 128/QA/THERM-2CHANEL/II/17	QA	12-08-25	1	PW007371	PT. Global Quality Indonesia	1	Jasa	12-08-26	1. Inventaris		Dengan dilakukan kalibrasi maka performa alat bisa dipertanggungjawabkan dengan hasil yang tertulis dan pemenuhan CPOB aneks 3 tentang kalibrasi peralatan sudah terpenuhi.
											2. Spareparts		
											3. Consumable		
											4. Jasa	V	
											5. Project		

PERMINTAAN JASA KALIBRASI THERMOMETER 2 CHANNEL

Situasi :

1. Thermometer 2 Channel (therma differential) adalah alat ukur suhu digital yang dilengkapi dua port untuk probe termokopel (umumnya tipe K). Alat ini mampu membaca suhu pada dua titik secara bersamaan (T1 dan T2) serta secara otomatis menghitung selisih suhunya (T1-T2).
2. Intensitas penggunaan alat tersebut relative sering, sehingga perlu dilakukan uji kalibrasi.
3. Dilakukan penjadwalan Kalibrasi pada bulan Agustus 2026.

Target :

1. Dengan dilakukan kalibrasi maka performa alat bisa dipertanggungjawabkan dengan hasil yang tertulis dan pemenuhan CPOB aneks 3 tentang kalibrasi peralatan sudah terpenuhi.
2. Kalibrasi diperlukan untuk memastikan hasil pengukuran dapat tertelusur ke Standar Internasional (SI) dan dapat mendukung sistem mutu yang diterapkan di berbagai industri, termasuk untuk keperluan audit.
3. Pengajuan kalibrasi dilakukan agar tidak melewati jadwal yang telah ditetapkan.

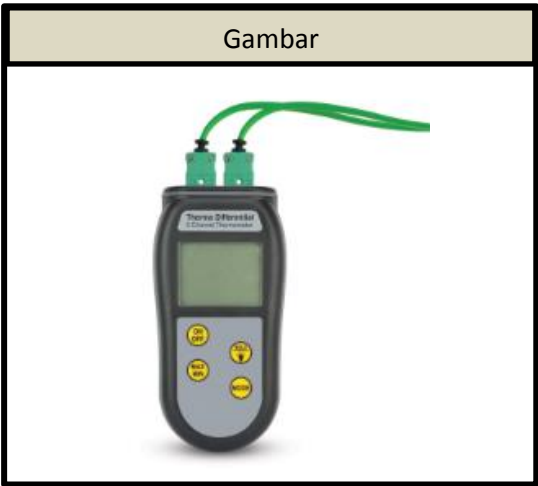
Proposal :

Pengajuan Kalibrasi thermometer 2 channel sebanyak 1 jasa.

Tanda tangan Pemohon (nama jelas)		Tanda Tangan Mengetahui (nama jelas)		Tanda Tangan Menyetujui (nama jelas)	
 Ajeng Ayu D		 Hendrawan		 Hermawan Widyaprasetya	

 PT. MERSIFARMA TM. SUKABUMI-INDONESIA	CALIBRATION JUSTIFICATIONS	NOMOR 036/ENG/J.CAL/06/2026
		TANGGAL 30 Juni 2026

No.	Nama Alat Instrumen	Thermometer 2 Channel
1.	Merk / Type	ETI/Therma Differential /231-022
2.	No. Serial	D 16510017
3.	No. Inventaris	128/QA/THERM-2CHANEL/II/17
4.	Kapasitas	'-99 ~ 1372 °C
5.	Skala Pemakaian	-
6.	Pemilik Alat	Departemen Engineering
7.	Tanggal Kalibrasi Sebelumnya	12 Agustus 2025
8.	Rekalibrasi	12 Agustus 2026
9.	Interval Kalibrasi	1 tahun
10.	No. SPB Sebelumnya	BB240465
11.	Vendor Kalibrasi Eksternal	PT. Kalibrasi Uji Utama



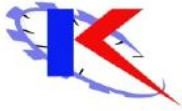
Catatan :

- Dengan dilakukan kalibrasi maka performa alat bisa dipertanggungjawabkan dengan hasil yang tertulis dan pemenuhan CPOB aneks 3 tentang kalibrasi peralatan sudah terpenuhi.
- Saat ini Thermometer 2 Channel dilakukan kalibrasi dilakukan bulan Agustus 2026.
- Pengajuan kalibrasi dilakukan agar tidak melewati jadwal yang telah ditetapkan.

Yang Mengajukan



M. Idris
Supervisor Kalibrasi



PT. KALIBRATOR UJI UTAMA

CUSTOMER

Company Name : PT. Mersifarma Tirmaku
Address : Jalan Raya Pelabuhan No.Km. 18, Cikembar,
Kec. Cikembar, Jawa Barat
Phone / Mobile : (0266) 321877
Attention : Mr. Erwin
E-mail :

Monday, March 02-2026
Ref No: Q-KUU-26-01-0174
Valid Until Desember 31-2026

QUOTATION

NO	DESCRIPTION	BRAND/TYPE	RANGE	QTY	Kaji Ulang Kontrak						UNIT PRICE	TOTAL
					A	B	C	D	E	F		
1	Micro Pipette No Seri : 15610821	Sartorius	100 ~ 1000 µL	1	√	√	√	x	x	√	IDR 450,000	IDR 450,000
2	Refraktometer No Seri : 88277 / 12210A	Carl Zeiss	-	1	√	√	√	√	x	√	IDR 800,000	IDR 800,000
3	Digimatic Caliper No Seri : A 16100857	Mitutoyo	200 mm	1	√	√	√	x	x	√	IDR 300,000	IDR 300,000
4	Digimatic Caliper No Seri : 0000205	Mitutoyo / CD 12" AX	300 mm	1	√	√	√	x	x	√	IDR 300,000	IDR 300,000
5	Digimatic Caliper No Seri : 0000207	Mitutoyo / CD 12" AX	300 mm	1	√	√	√	x	x	√	IDR 300,000	IDR 300,000
6	Flow Meter Solar No Seri : 23 DFB 0082	Tokico	-	1	√	√	√	√	x	√	IDR 2,500,000	IDR 2,500,000
7	Thermometer 64 Channel No Seri : 45642002587 Metode Simulasi	Applent	-200 ~ 1300 C	64	√	√	√	x	x	√	IDR 500,000	IDR 32,000,000
8	Air Sampler No Seri : 21040017	Sugold	50 - 500 L/ menit	1	√	√	√	√	x	√	IDR 4,500,000	IDR 4,500,000
9	Air Sampler No Seri : 21040013	Sugold	50 - 500 L/ menit	1	√	√	√	√	x	√	IDR 4,500,000	IDR 4,500,000
10	Air Sampler No Seri : 21040015	Sugold	50 - 500 L/ menit	1	√	√	√	√	x	√	IDR 4,500,000	IDR 4,500,000
11	Air Sampler No Seri : 21040016	Sugold	50 - 500 L/ menit	1	√	√	√	√	x	√	IDR 4,500,000	IDR 4,500,000
12	Air Sampler No Seri : 21040018	Sugold	50 - 500 L/ menit	1	√	√	√	√	x	√	IDR 4,500,000	IDR 4,500,000
13	Thermometer 16 Channel No Seri : S1516HL080 (-270 ~ 2320 °C)	Huato / S1516T	- 30 ~ 500 °C	16	√	√	√	x	x	√	IDR 500,000	IDR 8,000,000
14	Micro Pipette No Seri : YM23ABA0025239	Fraser	100 ~ 1000 µL	1	√	√	√	x	x	√	IDR 450,000	IDR 450,000
15	Micro Pipette No Seri : C351312520	Mettler Toledo / SL-100PL+	10* ~ 100 µL * = NON KAN	1	√	√	√	x	x	√	IDR 500,000	IDR 500,000
16	Micro Pipette No Seri : C351312570	Mettler Toledo / SL-100PL+	10* ~ 100 µL * = NON KAN	1	√	√	√	x	x	√	IDR 500,000	IDR 500,000
17	Micro Pipette No Seri : C404515675	Mettler Toledo / SL-1000PL+	100 ~ 1000 µL	1	√	√	√	x	x	√	IDR 450,000	IDR 450,000
18	Micro Pipette	Mettler Toledo / SL-100PL+	10* ~ 100 µL * = NON KAN	1	√	√	√	x	x	√	IDR 500,000	IDR 500,000
19	Air Sampler No Seri : 205221012347	Junray / ZR-2052	-	1	√	√	√	x	x	√	IDR 4,500,000	IDR 4,500,000
20	Integrity Tester No Seri : NB-191014 8000 mbar	Neuron BC	0 ~ 70 bar	1	√	√	√	x	x	√	IDR 1,250,000	IDR 1,250,000
21	Integrity Tester No Seri : NB-191015 8000 mbar	Neuron BC	0 ~ 70 bar	1	√	√	√	x	√	x	IDR 1,250,000	IDR 1,250,000
22	Viscometer No Seri : 8545859	Brookfield / DV-II+PRO	39.98 cP 505.4 cP 1028 cP 5882 cP 30656 cP	1	√	√	√	x	√	x	IDR 1,500,000	IDR 1,500,000

23	Dial Thickness Gauge No Seri : MAN 320 / 2109S / 7327	Mitutoyo	0 ~ 25 mm	1	✓	✓	✓	x	x	✓	IDR	300,000	IDR	300,000
24	Micro Pipette No Seri : C404515623	Mettler Toledo / SL-100PL+	10* ~ 100 µL * = NON KAN	1	✓	✓	✓	x	x	✓	IDR	500,000	IDR	500,000
25	Micro Pipette No Seri : C404515640	Mettler Toledo / SL-100PL+	10* ~ 100 µL * = NON KAN	1	✓	✓	✓	x	x	✓	IDR	500,000	IDR	500,000
26	Micro Pipette No Seri : C404515732	Mettler Toledo	100 ~ 1000 µL	1	✓	✓	✓	x	x	✓	IDR	450,000	IDR	450,000
27	Particle Counter Continuous No Seri : HJ012006 - 208	HJ Clean / Remote Y09-SSIP	Flowrate : 2.83 lpm, 28.3 lpm, 50 lpm, 100 lpm Time : 1 min ~ 30 min Particle Concentration (Particle Size = 0.5) : 158850 Pc / m3 ~ 194150 Pc/m3	1	✓	✓	✓	✓	x	✓	IDR	12,000,000	IDR	12,000,000
28	Particle Counter Continuous No Seri : HJ012006 - 209	HJ Clean / Remote Y09-SSIP	Flowrate : 2.83 lpm, 28.3 lpm, 50 lpm, 100 lpm Time : 1 min ~ 30 min Particle Concentration (Particle Size = 0.5) : 158850 Pc / m3 ~ 194150 Pc/m3	1	✓	✓	✓	✓	x	✓	IDR	12,000,000	IDR	12,000,000
29	Particle Counter Continuous No Seri : HJ012006 - 210	HJ Clean / Remote Y09-SSIP	Flowrate : 2.83 lpm, 28.3 lpm, 50 lpm, 100 lpm Time : 1 min ~ 30 min Particle Concentration (Particle Size = 0.5) : 158850 Pc / m3 ~ 194150 Pc/m3	1	✓	✓	✓	✓	x	✓	IDR	12,000,000	IDR	12,000,000
30	Particle Counter Continuous No Seri : HJ012006 - 213	HJ Clean / Remote Y09-SSIP	Flowrate : 2.83 lpm, 28.3 lpm, 50 lpm, 100 lpm Time : 1 min ~ 30 min Particle Concentration (Particle Size = 0.5) : 158850 Pc / m3 ~ 194150 Pc/m3	1	✓	✓	✓	✓	x	✓	IDR	12,000,000	IDR	12,000,000
31	Particle Counter Continuous No Seri : HJ012006 - 205	HJ Clean / Remote Y09-SSIP	Flowrate : 2.83 lpm, 28.3 lpm, 50 lpm, 100 lpm Time : 1 min ~ 30 min Particle Concentration (Particle Size = 0.5) : 158850 Pc / m3 ~ 194150 Pc/m3	1	✓	✓	✓	✓	x	✓	IDR	12,000,000	IDR	12,000,000
32	Particle Counter Continuous No Seri : HJ012006 - 206	HJ Clean / Remote Y09-SSIP	Flowrate : 2.83 lpm, 28.3 lpm, 50 lpm, 100 lpm Time : 1 min ~ 30 min Particle Concentration (Particle Size = 0.5) : 158850 Pc / m3 ~ 194150 Pc/m3	1	✓	✓	✓	✓	x	✓	IDR	12,000,000	IDR	12,000,000
33	Headspace Gas Analyzer No Seri : M2240107	Ametek MOCON Europe / Checkmate 4	-	1	Tidak menawarkan, kalibrasi langsung ke supliernya						IDR	-	IDR	-
34	Flow Meter Air 3 Inch (Media Oksigen)	-	-	1	✓	✓	✓	✓	x	✓	IDR	2,500,000	IDR	2,500,000
35	Velocicalc (1) No Seri : 956P1219008	TSI / 9565-A	0,3 m/s ~ 10 m/s	1	✓	✓	✓	✓	x	✓	IDR	4,850,000	IDR	4,850,000
36	Velocicalc Probe (1) No Seri : P24310034	TSI / 966	0,3 m/s ~ 10 m/s	1	✓	✓	✓	✓	x	✓	IDR	4,850,000	IDR	4,850,000
37	Digimatic Caliper No Seri : A 21188068	Mitutoyo / CD-8"ASX	200 mm	1	✓	✓	✓	x	x	✓	IDR	300,000	IDR	300,000
38	Digimatic Caliper No Seri : B18144743	Mitutoyo / CD-20AX	200 mm	1	✓	✓	✓	x	x	✓	IDR	300,000	IDR	300,000
39	Digimatic Caliper No Seri : 0000017	Mitutoyo / CD-12" AX	300 mm	1	✓	✓	✓	x	x	✓	IDR	300,000	IDR	300,000
40	Dial Thickness Gauge No Seri : YPX 636/7327	Mitutoyo / 7301	10 mm	1	✓	✓	✓	x	x	✓	IDR	300,000	IDR	300,000

41	Digimatic Caliper B 19169710	Mitutoyo / CD-20AX	200 mm	1	√	√	√	x	x	√	IDR	300,000	IDR	300,000
42	Sensor Thermocouple (Furnace) 1000 °C (With Indikator)	Omega KTSS-M15G-3084-1,5- SMPW-M	-30 ~ 500 °C	1	√	√	√	x	x	√	IDR	500,000	IDR	500,000
43	Digital Tachometer No Seri : 1947224	Monarch PLT 200	5 ~ 200000 rpm	1	√	√	√	x	x	√	IDR	800,000	IDR	800,000
44	Thermometer Digital 2 Channel No Seri : D 16510017	ETI Therma Differential / 231-022	-30 ~ 500 °C	2	√	√	√	x	x	√	IDR	500,000	IDR	1,000,000
45	Digital Tachometer No Seri : AB.96682	Lutron DT - 2234 BL	-	1	√	√	√	√	x	√	IDR	800,000	IDR	800,000
46	Stopwatch	Casio HS - 3	10 min ~ 60 min	1	√	√	√	x	x	√	IDR	400,000	IDR	400,000
47	Dial Gauge No Seri : VUJ844	Mitutoyo 2046 S	0 ~ 10mm	1	√	√	√	x	x	√	IDR	300,000	IDR	300,000
48	Pressure Gauge (DP) No Seri : 211 H142 F0002 -25 ~ 25 mbar	Additel ADT681 - 05 - DP10 - MBAR	-1000 pa ~ 1000 pa	1	√	√	√	x	x	√	IDR	500,000	IDR	500,000
49	Pressure Gauge (20 bar) No Seri : 21814070002	Additel ADT680 - 10 - GP300 - BAR - N	0 ~ 20 bar	1	√	√	√	x	x	√	IDR	600,000	IDR	600,000
50	Pressure Gauge (Vacuum) No Seri : 21814160029 -1 ~ 0 bar	Additel ADT680 - 10 - V15 - BAR - N	-0.9 bar ~ 0 bar	1	√	√	√	x	x	√	IDR	500,000	IDR	500,000
51	Lux Meter No Seri : 64060398 200000 Lux	Fluke 941	60 ~ 1900 Lux	1	√	√	√	√	x	√	IDR	2,000,000	IDR	2,000,000
52	Batu Timbang No Order : 36929072	Sartorius Class : E2	50 mg	1	√	√	√	√	x	√	IDR	450,000	IDR	450,000
53	Batu Timbang No Order : 18929102	Sartorius Class : E2	1 g	1	√	√	√	√	x	√	IDR	450,000	IDR	450,000
54	Batu Timbang No Order : 18729507	Sartorius Class : E2	10 g	1	√	√	√	√	x	√	IDR	450,000	IDR	450,000
55	Batu Timbang, 17 psc	Unk Class F1	2 g - 1000 g (set 1)	1	√	√	√	x	x	√	IDR	5,000,000	IDR	5,000,000
56	Batu Timbang , 13 Psc	Class F1	1 g - 500 g (Set 2)	1	√	√	√	x	x	√	IDR	4,000,000	IDR	4,000,000
57	Batu Timbang	Mettler Class : F2	10 g	1	√	√	√	x	x	√	IDR	300,000	IDR	300,000
58	Batu Timbang	Mettler Class : F2	10 g	1	√	√	√	x	x	√	IDR	300,000	IDR	300,000
59	Batu Timbang	Mettler Class : F1	1 kg	1	√	√	√	√	x	√	IDR	400,000	IDR	400,000
60	Batu Timbang	Mettler Class : F2	2 kg	1	√	√	√	√	x	√	IDR	400,000	IDR	400,000
61	Batu Timbang	Mettler Class : F2	2 kg	1	√	√	√	√	x	√	IDR	400,000	IDR	400,000
62	Batu Timbang	- Class : M1	1 kg	1	√	√	√	x	x	√	IDR	300,000	IDR	300,000
63	Batu Timbang	- Class : M1	2 kg	1	√	√	√	x	x	√	IDR	300,000	IDR	300,000
64	Batu Timbang	- Class : M1	5 kg	1	√	√	√	x	x	√	IDR	300,000	IDR	300,000
65	Batu Timbang	Mega Scale Class : M1	20 kg	1	√	√	√	x	x	√	IDR	300,000	IDR	300,000
66	Batu Timbang	Mega Scale Class : M1	20 kg	1	√	√	√	x	x	√	IDR	300,000	IDR	300,000
67	Batu Timbang	Mettler Class : F1	100 g	1	√	√	√	x	x	√	IDR	300,000	IDR	300,000
68	Batu Timbang	Mettler Class : F1	200 g	1	√	√	√	x	x	√	IDR	300,000	IDR	300,000
69	Batu Timbang	Mettler Class : F1	1 kg	1	√	√	√	√	x	√	IDR	400,000	IDR	400,000
70	Batu Timbang	Mettler Class : M1	1 kg	1	√	√	√	x	x	√	IDR	300,000	IDR	300,000
71	Batu Timbang	Mettler Class : M1	2 kg	1	√	√	√	x	x	√	IDR	300,000	IDR	300,000

72	Batu Timbang	Mettler Class : M1	5 kg	1	√	√	√	x	x	√	IDR	300,000	IDR	300,000
73	Batu Timbang	Mettler Class : F2	100 g	1	√	√	√	x	x	√	IDR	300,000	IDR	300,000
74	Batu Timbang	Mettler Class : F2	100 g	1	√	√	√	x	x	√	IDR	300,000	IDR	300,000
75	Batu Timbang	Mettler Class : F2	200 g	1	√	√	√	x	x	√	IDR	300,000	IDR	300,000
76	Batu Timbang	Mettler Class : F2	200 g	1	√	√	√	x	x	√	IDR	300,000	IDR	300,000
77	Batu Timbang	Mettler Class : F2	200 g	1	√	√	√	x	x	√	IDR	300,000	IDR	300,000
78	Batu Timbang	Mettler Class : F2	200 g	1	√	√	√	x	x	√	IDR	300,000	IDR	300,000
79	Batu Timbang	Mettler Class : M1	5 kg	1	√	√	√	x	x	√	IDR	300,000	IDR	300,000
80	Batu Timbang	Mettler Class : M1	5 kg	1	√	√	√	x	x	√	IDR	300,000	IDR	300,000
81	Batu Timbang	RC Class : M1	20 kg	1	√	√	√	x	x	√	IDR	300,000	IDR	300,000
82	Batu Timbang	Sartorius / SN : 37929320 Class : E2	50 mg	1	√	√	√	√	x	√	IDR	450,000	IDR	450,000
83	Batu Timbang	Mettler Class : E2	2 g	1	√	√	√	√	x	√	IDR	450,000	IDR	450,000
84	Batu Timbang	Mettler Class : E2	100 mg	1	√	√	√	√	x	√	IDR	450,000	IDR	450,000
85	Cost Onsite (Sukabumi)	ManDays		3	-	-	-	-	-	-	IDR	500,000	IDR	1,500,000
												Sub Total	IDR	194,000,000
Note:												PPN 11%	IDR	21,340,000
Estimated work (Certificate Subkon) : 20 - 30 Days (work days) after received unit with official PO												Grand Total	IDR	215,340,000

Note:

Estimated work (Certificate Subkon) : 20 - 30 Days (work days) after received unit with official PO

Estimated work (Certificate) : 10 Days (work days) after received unit with official PO

Schedule of calibration onsite will be confirmed after PO received

Lumsum

Excluded delivery & pickup unit

KETERANGAN KAJI ULANG KONTRAK

- Kesesuaian Ruang Lingkup Akreditasi (KAN)
- Kesesuaian Dengan Metode Kalibrasi yang dan tertelusur Ke satuan SI
- Kesiapan Teknisi / Personil Kalibrasi
- Subcon oleh Laboratorium Terakreditasi KAN
- Alat di kerjakan ON-SITE
- Alat di kerjakan In Lab PT. Kalibrator Uji Utama

PERJANJIAN PESANAN

- Pesanan dan Sertifikat Kalibrasi dapat di ambil / diserahkan dengan memperlihatkan Laporan Penerimaan form KUU-F-ML-42
- PT. KUU Tidak Bertanggung Jawab apabila terjadi Force Majeure selama alat pelanggan berada di PT. KUU
- Apabila dalam proses pengiriman jasa ekspedisi external alat customer mengalami kerusakan atau kehilangan pada saat pengiriman lab tidak bertanggung jawab atas kejadian tersebut.
- Permintaan penggantian Sertifikat karena kesalahan Customer dalam pemberian informasi atau tidak diberikannya informasi sebelumnya, akan dikenakan biaya Rp 50.000,- Per Sertifikat.

TERMS & CONDITIONS

PAYMENT TERM

a. 14 Days After Invoice Received

b. Transfer To Bank Mandiri - KCP Jakarta Cik Ditiro A/N PT. KALIBRATOR UJI UTAMA Ac. No : 122-00-0502666-4 (IDR)

CANCELATION

a. Onsite/Calibration Cancellation Fee Is Applied In IDR 500.000

b. We Are Not Liable For Any Loss To Any Delivery or Returned Products Through Delivery Service

c. We Are Not Liable For Any Damage To Any Product We Calibrate Or After Official Report Signed

HOW REACH US

a. Jl. Minangkabau No. 46, Setiabudi, Jakarta Selatan 12970 | (021) 830 5557

Jababeka I, Cikarang Utara, Bekasi 17530

If You Have Any Questions About This Price Quote Please Contact Our Sales Team

Anggih Indriani

0877-8178-6669

sales2@kalibratorujiutama.com

Acceptance,

Sigm and Stamp

(.....)

Please Send To Our Sales Contact