

	<b>Catatan Hasil Kalibrasi Internal</b>	No. : F-PM-01-70
	<i>Internal Calibration Record</i>	Rev. : 00
	<b>Autoclave's Thermocouple/Thermometer</b>	Date : 3 September 2014

<b>Merek</b> <i>Brand</i>	:	<b>Bidang / Lokasi</b> <i>Department / Location</i>	:
<b>Model/Type</b> <i>Model/Type</i>	:	<b>Suhu ruang</b> <i>Room temp.</i>	: °C
<b>No. Seri</b> <i>Serial no.</i>	:	<b>Kelembaban</b> <i>Humidity</i>	: %RH
<b>Kode kalibrasi</b> <i>Calibration code</i>	:	<b>No Protap</b> <i>SOP No.</i>	:
<b>Kapasitas</b> <i>Capacity</i>	:	<b>Petugas</b> <i>Operator</i>	:
<b>Resolusi alat</b> <i>Resolution</i>	: °C	<b>Tanggal kalibrasi</b> <i>Calibration date</i>	:

<b>Kalibrator yang digunakan</b> <i>Reference used</i>	<b>Kode</b> <i>Code</i>	<b>Tanggal kalibrasi Kalibrator</b> <i>Cal. date of Calibrator</i>

**Note:** Persamaan matematik untuk koreksi suhu :  $y = 0,000124x^2 + 0,967979x + 2,378922$

*Math equation for temperature correction*

#### A. Data

$T_{Nominal} = 121 \text{ } ^\circ\text{C}$

No.	$T_{Std}$ $T_{Ref}$ (°C)	$T_{Std + koreksi}$ $T_{Ref + Corr}$ (°C)	$T_{Alat}$ $T_{Reading}$ (°C)	Koreksi Correction (°C)
1				
2				
3				
4				
5				
<b>Rata-rata / Average</b>				
$\sigma_{n-1}$				

#### B. Ketidakpastian Pengukuran Suhu

*Uncertainty of Temperature measurement*

No.	Sumber Ketidakpastian <i>Source of Uncertainty</i>	Satuan Unit	Distribusi Distribution	Nilai $U_i$ $U_i$ value	Pembagi Divisor	$u_i$ $u_i$	Koef., $C_i$ Coeff., $C_i$	$u_i C_i$ $u_i C_i$	V
1	Reproducibility, $U_{Rep} = \sigma_{n-1}$	°C	Normal		$\sqrt{5}$	0.0000	1	0.00000	4
2	Reference Temperature, $U_{Ref} = U_{sert.}$	°C	Normal		2	0.0000	1	0.00000	$\infty$
3	Resolution, $U_{Res} = \frac{1}{2} Res.$	°C	Rectangular		$\sqrt{3}$	0.0000	1	0.00000	$\infty$
4	Temp. medium homogeneity, $U_{Unif} = \sigma_{n-1}$	°C	Rectangular		$\sqrt{3}$	0.0000	1	0.00000	$\infty$
5	Drift, $U_{Drift} = 10\% \times U_{95\%}$	°C	Rectangular		$\sqrt{3}$	0.0000	1	0.00000	$\infty$
<b>Ketidakpastian baku gabungan / Sum of Uncertainty, <math>u(D) = \text{SQRT}(\sum (u_i C_i)^2)</math></b>								0.000	
<b>Derajat kebebasan efektif / Effective degree of freedom, <math>V_{eff}</math></b>								#DIV/0!	
<b>Faktor cakupan pada tingkat kepercayaan 95 % / Coverage Factor on uncertainty 95%, <math>K_{95\%}</math></b>								2	
<b>Ketidakpastian gabungan perluasan / Advanced Uncertainty, <math>U(D) = u(D) \times K_{95\%}</math>, dalam / in</b>								°C	0.00

#### C. Hasil Kalibrasi

*Calibration Results*

No.	Penunjukan Standar Reference (°C)	Penunjukan Alat Test Thermometer (°C)	Koreksi Correction (°C)	Ketidakpastian, $U_{95\%}$ Uncertainty, $U_{95\%}$ (°C)

Dihitung oleh Calculated by	Tanggal Date	Diperiksa oleh Checked by	Tanggal Date	Catatan Note