



CERTIFICATE

No. 012/E322-Reg/FRI/X/2004

Drs. SUKIR, MT.

attended successfully the Festo Didactic Training program
from 5 – 7 October 2004

Festo Didactic Seminar E 322 Programming of PLCs

In Jakarta

The following subject matter were covered in this seminar:

- Basic function of the PLC
- Planning and structuring programs.
- Creating program documentation
- Programming of sequence and pilot controls
- Programming of counters and timers
- Planning, structuring and programming of operating modes and fault indication
- Communication with external systems, criteria for selection of peripheral equipment

The participant is capable of planning and writing programs for intermediate PLC control and meets the requirements for higher-level seminar.

Jakarta, 7 October 2004

Muhammad Purwawanto
Lecturer