

## CERTIFICATE

***M. Yani Supriadi***

of PT. Polyrama Propindo

has successfully completed the following course  
from, January 22, 1996 till February 02, 1996

## **SIMATIC - S5**

Basic I & II Course

### COURSE CONTENTS

- Start up the programmable controller.
- Representation of STEP 5 operations in the form of a control system flowchart (CSF), ladder diagram (LAD), or statement list (STL).
- Logic operations, R-S functions, timer functions, counter functions, comparison functions.
- Function blocks and data blocks.
- Entering programming examples in the programmer and transferring them to the programmable controller for debugging and modification.
- Configuration exercises (defining the task, designing the program structure, writing the program and testing it on the model).
- Program documentation exercises (assignment list, comments, symbol editor).
- Notes on choice of controller, design, types of process connection, power supply.
- Fault detection and fault handling procedures.
- The using of submodule memory (EPROM, EEPROM & RAM).

All topics are backed up by practical exercises using the PG 710/PG720/PG730/PG750 programmer and the S5-100U/S5-115U/S5-135U/S5-155U in conjunction with a system model.

Jakarta, 02.02.1996

  
**P.T. SIEMENS INDONESIA**  
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