

C615576 : MAJOR ELECTRICAL ENGINEERING

KEY WORD: BATCH / BATCH CONTROL / RECIPE

NOPPADOL LAWPRASERT : A MANAGEMENT PROGRAM FOR BATCH CONTROL SYSTEMS.

THESIS ADVISOR : DR.SOMBOON CHONGCHAIKIT, 181pp. ISBN 974-635-965-7

This thesis presents a design and development of management program for Batch Control Systems. The program is based on Standard ISA-S88.01-1995 (Batch Control). Due to it's modular structure, the program can be easily modified or expanded in the future. The developed program can be described in to Physical Model Editor, Recipe Editor, Graphic for Represent Recipe Procedure, Phase and Procedure Monitor, Communication System Software between Microcomputer and PLC, etc. The program language is based on Visual Basic. Microsoft Access is used as database software.

The system which consists of IBM PC with developed software and PLC has been tested in laboratory. The result are quite satisfactory.

ภาควิชา.....วิศวกรรมไฟฟ้า.....

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