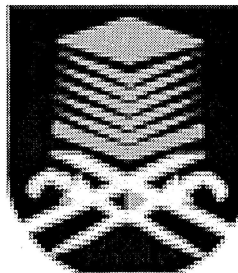


# **APPLICATION OF EVOLUTIONARY PROGRAMMING FOR SOLVING HYDROTHERMAL COORDINATION**

Thesis is presented in partial fulfillment for the award of the  
Bachelor of Electrical Engineering (Honors)

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## **ACKNOWLEDGMENT**

All the praise to Allah S.W.T. The Most Gracious and Merciful who has given me the strength, ability and patience to complete this project.

I would like to convey my deepest gratitude and appreciation to my project supervisor, Prof. Madya Dr. Titik Khawa Abdul Rahman for her guidance, suggestion and advance for completion of this project.

Special thanks to my beloved family, especially my mother, my father and my wife who are dearest person in my life and encouragement they have given. Last but not least, special thanks to all my colleagues for the help and motivation given to me in completing this project.

## **ABSTRACT**

This paper describes an efficient method of solving Hydro Thermal Coordination using Evolutionary Programming (EP) method within C programming language. This study focused to determine a schedule for the hydro and thermal generation, which will minimize the total production cost while balancing the generation with demand. Using LaGrange method will compare the results obtained using EP method.

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