

ACKNOWLEDGEMENTS

“Bismillahir Rahmanir Rahim”, Thanks to Allah S.W.T for giving me the strength of ability to complete this thesis and my appreciation goes to my parent and my family members for their unfailing support and passion for my coursework study and dissertation. At the same time, I would like to take this opportunity to thank Prof. Dr. Nazarudin bin Abd Rahim and Prof. Dr. Ab. Halim bin Abu Bakar as my supervisor I and Supervisor II, not only for their professional advice but also for the guidance and support. I would like to thank to my friends for their advice and help to build the software.

Finally, I would like to express sincere feelings thank to my friends, colleagues for their moral support and all other staff from the Faculty of Engineering, University of Malaya.

I hope this humble research would get the blessing from Allah to attain my Master in Engineering (Electrical Energy and Power System).