ACKNOWLEDGEMENTS

Acknowledgement n First and foremost, I am very grateful and thankful to Allah for the blessings he bestowed on me in completing this dissertation. Despite of many challenges, I always have faith in Him that He will guide me, give me the strength and ease my journey to complete this dissertation. Again, thank you Allah!

I would like to express my deepest gratitude to both of my Academic and Industrial Supervisors, En. Abu Bakar Sedek B. A. Jamak and En. Jasmin B. Abd. Ghani for their guidance and advice. Their wisdom, knowledge and commitment to the highest standards inspires and motivates me. I always admire them as a mentor who always makes time in guiding and motivating me to bring out the best in me.

I would also like to extend my gratitude and appreciation to my dear parents, En. Syed Mohamad B. Syed Drus and Wan Hamidah Bt. Wan Sulaiman for their boundless love and continuous support and encouragement. I would not be able to complete my dissertation without the unwavering support of my beloved wife, Siti Noor Farhana Bt. Zaipul Bahari. Her love, patience and support keep me going. The love of my life, my sons, Syed Ammar Idid, Syed Ammar Mikael and Syed Ammar Arsyad, who were born as my strength and source of inspiration.

I would also thank my siblings, my parents- in-law, and my extended larger family. They were always supporting me and encouraging me with their best wishes and dua'. Finally, I would like to thank all the people, family members, friends and colleagues, named and unnamed who have directly or indirectly support and help me in completing my dissertation.