

## ACKNOWLEDGEMENTS

First and foremost, ‘Al-Hamdulillah, syukur’ a very deep thankful to Allah S.W.T. that helped me to manage myself to handle this project satisfactorily. I am pleased to acknowledge the supervision of my supervisor Prof. Dr. Rosiyah Yahya who was abundantly helpful and offered such invaluable assistance. Her understanding, encouraging, personal guidance has provided a great value for me in which make this endeavor possible. May Allah always blessing her kindness. Many thanks to Prof Dr. SN. Gan for the part that he guides me in this study.

I also would like to acknowledge the Malaysia Ministry of Science, Technology and Innovation (MOSTI) for their National Science Fellowship (NSF) that financially supports my Masters Degree, and University of Malaya for research grant, PPP PS251/2009A. Besides that, I am thankful to my colleagues especially polymerlicious group and Polymer Laboratory staff (Mr Zulkifli and Miss Ho) in the Chemistry Department, Science Faculty, University of Malaya, for the support and invaluable assistance throughout my research project.

The important person in my life, I owe my deepest gratitude to my beloved husband Mohd Shah Arfizan for his encouragement and understanding. To my special little angel and precious daughter Yasmin Zahra who always be my strengthen. Also my lovely mother, Pn.Che Som whom was truly understanding, supportive and always encouraged me to have patience and hard work. Last but not least to those who contributed directly and indirectly in bringing the project to completion.

Thank you very much all and May God Bless your kindness.