## ACKNOWLEDGEMENTS

The feasibility study of numerical simulation of biodegradable plastic flow behavior in injection molding research cannot be perfectly completed without direct and indirect assistance from many people. Foremost, I would like to express my gratitude to the advisor of the project, Dr.-Ing. Panit Kitsubun for all technical support and valuable guidance. In addition, I would like to gratefully Assoc. Prof. Wiwat Ruenglertpanyakul and Asst. Prof. Jindarat Pimsamarn, project committees, for attention to the research project and their valuable ideas to improve the work. I would like to really thank Dr. Kanjanee Nawamawat and Dr. Silapong Baiagern, Senior researchers at PTT Global Chemical Public Company Limited, who gave me the valuable recommendation about the plastic injection molding process and necessary data as well.

Additionally, I would like to express my thanks the Chemical Engineering Practice School (ChEPS) which gives me any chemical engineering knowledge and also opportunity to study in this research, PTT Global Chemical Public Company Limited for funding during my study in the ChEPS program and King Mongkut's University of Technology Thonburi which I esteem. Next, I would like to thank Mrs. Chadaporn, who helped the author with communication and any important information used to finish the master's degree. Finally, I truly would like to express my appreciation to my family for the great encouragement and my precious friends at ChEPS for their help and kindness.