ACKNOWLEDGEMENT

At the first place, I would like to thank the God Almighty for His wonderful blessing that I am able to finish this Thesis. I am also deeply indebted to my Thesis Advisors Prof. Dr. I Made Astra, M.Si and Dr. Phil. Zarina Akbar, M.Psi for the warm support, inspiration, and thoughtful guidance during the process of research and thesis construction. And for the continuous encouragement and kindly advice throughout my study, I am enormously thankful to the Coordinator of Pendidikan Dasar Program Study Erry Utomo, M.Ed., Ph.D. I express my gratitude as well to Prof. Dr. Nadiroh, M.Pd, the Director of Postgraduate Study of Jakarta State University for the help and cooperation during my study.

At this grateful moment, another deep gratitude for my friends who shown their greatest kindness, assistance and support on my post-graduate study process.

Finally, I am indebted to my parents, my lovely wife Yustina, my precious son Benedictus Galih Setiadi, and my little daughter Ivonereus Gracia Setiadi for their continuous support and encouragement for my pursuit.

I do hope this thesis can contribute to the development of Education, especially to Mathematics and Science in Indonesia.