

Acknowledgement

First of all, let's pray and thank to our God, Allah SWT, the lord of the universe who has been giving us mercies and blessings. The completion of this final project could not have been possible without all support and assistance of many people whose names may not all be enumerated. I would like to express them deep appreciation particularly to the following:

1. Mom, dad, my brothers and little sister, and all the family for all the support. I love you all.
2. Mr. Kiki Maulana Adhinugraha, Ph.D. , Prof. David Taniar and Mr. Sultan Mofareh Alamri, Ph.D. as my supervisors that have been patiently supervise me with all the bright solution.
3. Mr. Aji Gautama Putrada, S.T., M.T. as my guardian lecturer.
4. Database Laboratory family who always there right beside me when I was up and down.
5. IF-38-05 family, who share the greatest moment together even when we know we were really not in good condition. I miss you guys.
6. My D95 Family.
7. All my friends that always support me and become the reason of me to smile and laugh.

I hope I could repay all your kindness but no I cannot. Let Allah do the rest and give the best for you, for all of us.