

DEDICATIONS

I would like to dedicate this thesis first to my beloved wife, Della Fitria Qur'ani, She was always there beside me and always supported me when our living together still feels hard. Secondly, I would like to dedicate my thesis to my father, Deli and my mother, Ade Indriati, I really want to make them happy, because they have so many effort to make me be what I want to be.

ACKNOWLEDGEMENTS

It is a honor to have Mr. Adiwijaya and Mrs. Arie Ardiyanti as my supervisors, they helped me a lot and they always believe that I can finish this thesis. I also thank to Mr. Setia Pramana and Mrs. Putri Wikie Novianti from indo data mining mailing list for our discussion and your presentation, it was enlighten my mind about microarray data analysis.

I would like to express my deepest gratitude to the lecturers and staffs of Master Program of Informatics of Telkom University, Mrs. Ari M. Barmawi, Prof. The Houw Liong, Mrs. Imelda Atastina, Mr. Deni Saepudin, Mr. Taufik Hasan, Mr. Hertog Nugroho, Mr. Thomas Anung, Mr. Jimmy Tirtawangsa, Mr. Gelar Budiman, Mr. Heri, Mrs. Ri Handayani, Mrs. Vita etc and friends, Fajri R. Umbara, Veronkha Effendy, Bobby Siswanto, Ali Hanifa, and Feri Sulianta I did enjoy to get along with you.

Finally, I would like to thanks to all my friends, my relatives and the people who had helped me since the beginning I studied in Master Program of Informatics of Telkom University.