

## **AUTHOR'S FOREWORD**

First, I would like to express my biggest gratitude to Lord Almighty for his grace and blessing that give me health both in body, mind and soul. I would also like to give my biggest thanks to my Supervisor I, Ida Wahidah , S.T., M.T., my Supervisor II, Nyoman Bogi Aditya Karna, ST., MSEE., my Lecturer of Writing Bachelor Thesis and Scientific Papers subject, Dr. Eng. Khoirul Anwar, S.T., M. Eng., also all of the lecturer from the first semester until now who have already taught me in college. My Mother, Father, and Brothers that always support me into finishing this undergraduate thesis. I sincerely say thank you from the bottom of my heart.

Bandung, June 2020

Yusuf Trihartono Tonapa