

ACKNOWLEDGMENTS

Alhamdulillah, thanks to the presence of Allah SWT for all the abundance of His blessings. The author realizes that the realization of this thesis book cannot be separated from the help, guidance, prayers, and support from various parties. With all humility, sincerity, and sincerity, the author would like to express his deepest gratitude and appreciation to his beloved parents, siblings, and family, thank you for all the sacrifices, understanding, and prayers of kindness, love, enthusiasm, and motivation that have given.

Mrs. Leanna Vidya Yovita, S.T., M.T., as the first advisor, thank you for the guidance, knowledge, advice, and input as well as motivation to keep the spirit up and continue to think positively to be able to complete the thesis. And Mrs. Ratna Mayasari, S.T., M.T., as the second supervisor, thank you for the guidance, knowledge, suggestions, and input as well as the motivation to keep up the enthusiasm and not give up to be able to complete the thesis.

All friends and friends who never tire of providing enthusiasm, motivation, prayer, and continuous support during the preparation of this thesis and all parties who have contributed and supported in the completion of this thesis, which cannot be mentioned one by one, thank you infinitely for all the support and assistance given.