

GRATITUDE NOTE

Praise and gratitude the author prays for the grace and blessing of Allah SWT, finally the author can complete this undergraduate thesis. In the preparation of this undergraduate thesis, the author received a lot of help, guidance and support by several parties who made this undergraduate thesis complete as it should be. Therefore, the author would like to express deepest gratitude to:

1. **Allah SWT**, as the most merciful, who provides knowledge and enlightenment, who has provided sustenance and healthy blessings so that the author can complete this undergraduate thesis to completion. May Allah SWT always provide and make it easier for His servants who always help each other with patience and sincerity, may your kindness be rewarded in dinitely by Allah SWT.
2. **Rasulullah SAW**, as the author role model in living this life, the most perfect being in this universe. Which is also a guide for every human being in pursuing and achieving happiness in this world and the hereafter.
3. **Dr. Nyoman Bogi Aditya Karna, S.T., MSEE.**, as supervisor I of the author who has guided, provided direction and provided the best solution when working on the undergraduate thesis. Thank you to Mr. Bogi who has always been patient and sincere in guiding the author and making the author to be in his current position, sorry if the author has wrong words or behavior that is not pleasing to Mr. Bogi's heart, may Mr. Bogi always be given health and always be a role model for other students and always be blessed by God.
4. **Mr. Arif Indra Irawan, S.T., M.T.**, as supervisor II of the author who has guided, provided direction and provided the best solution when working on the undergraduate thesis. Thank you to Mr. Arif who has always been patient and sincere in guiding the author and making the author to be in his current position, sorry if the author has wrong words or behavior that is not pleasing to Mr. Arif's heart, may Mr. Arif always be given health, facilitated in all business.
5. **Other**, as those who have helped and filled the author's day in completing this lecture. We apologize profusely that cannot be mentioned one by one. May good things always be with all of you friends.