

ACKNOWLEDGEMENTS

Firstly, I would like to acknowledge this project funded by The Thailand Research Fund (TRF) and Sri Sakon Pure-Rice Co.,Ltd under the program Research and Researchers for Industries of master's degree (RRi). The opinion in the research report are those of the researcher. The Thailand Research Fund and Sri Sakon Pure-Rice Co.,Ltd. not necessarily always agree.

I would like to acknowledge Sri Sakon Pure-Rice Co.,Ltd. for helpful suggestions install a machine on stove fuel of rice dryer Machine.

I would like to acknowledge my advisor, Assoc. Prof. Dr. Tosawat Seetawan, who gave best advice and be guidance of this thesis since start until successful. He gave appreciate suggestion, checked and corrected the fault of this thesis.

I would like to thankful Assoc. Prof. Dr. Atsuko Kosuga and members of Kosuga laboratory, who good training all measurement and helpful for great experience on Osaka Prefecture University. She gave appreciate suggestion and support tuition fee for live at Osaka 30,000 Bath / 3 months.

I would like to thank the thesis committee such as Dr. Anek Charoenphakdee, Assoc. Prof. Dr. Wilawan Kumharn, for their kindly advices and helpful suggestions, including my family supported spiritual for me forever.

Finally, I would like to thank for all of staff at the Center of Excellence on Alternative Energy (CEAE), Sakon Nakhon Rajabhat University, for their helpful for my thesis.

Wanatchaporn Namhongsra