PREFACE

Alhamdulillah, the only one word can researcher says and praises as thanks to Allah SWT the Lord of hosts, the Almighty who has given his grace and blessing to writer so that this thesis can be done. Shalawat and Salam to Rasulullah Muhammad SAW, hopefully His Syafaat will be abundant in days later.

This thesis with title “The Effect Of Contextual Teaching And Learning (CTL) By Using Flash Animation Media To Subject Matter Vibration And Wave On Grade XII Semester 1 SMA N 2 Kisaran Year.2012/2013” is arranged to acquire the degree of “Sarjana Pendidikan”, Faculty of Mathematics and Natural Sciences State University of Medan.

Now, I want to say thank you for my best thesis supervisor, Mr Drs. Jonny H. Panggabean, M.Si. He always there in every time we need his care from this thesis is nothing till Insyaallah become something. For Mr Drs. Abdul Hakim S., M.Si and then Mr Prof. Motlan, M.Sc, Ph.D also for Mr Dr. Ridwan A. Sani, M.Si who give me so many suggestions and knowledge to make this thesis better. Thanks also to Mr Drs. Eidi Sihombing, M.Si as my academic advisor who had learned me from I start the study in Unimed till now. Last I want to thank for Mr. Prof. Drs. Motlan Sirait, M.Sc, Ph.D as the dean of FMIPA Unimed also for his trust to me to replace him in international school. It is amazing experience for me. And also thank you for Mr. Syahruddin Lubis, S.Pd. MM as headmaster in SMA N 2 Kisaran given research permission and Mr. Naek Tambunan S.Pd as teacher in SMA N 2 Kisaran had helped in this research.

With such a big emotive, with a deep sense of awe and with abundant tears of pride I say thank you to my lovely father Zaharuddin and my lovely mother Aisyah. Not just the support I got, not just the endless prayer that I accepted, but also love and the struggle you are a force to this moment arrived. If a forgiveness can be converted into a prayer, then it is still only prayer I can offer to you, my lovely parents.. and all my family, you are my pumping spirit.
Thanks for all my friends in Physics Department FMIPA Unimed, especially to Bilingual Physics ’08, Arini, Tika, Febri, Nawi, Boby, Alfan, Majid, Luqman, Risdo, Nawi, Wita, Zia, Nurul, Laila, Ester, Ruth, and Laurent. Nice to be your friend.

The final word, the authors recognize that there are still shortcomings in the writing of this thesis. Because of its authors expect that criticism and constructive suggestions to this thesis can be useful for us all.

Medan, December 2012
Writer

Azwar
Reg. Num. 408121032