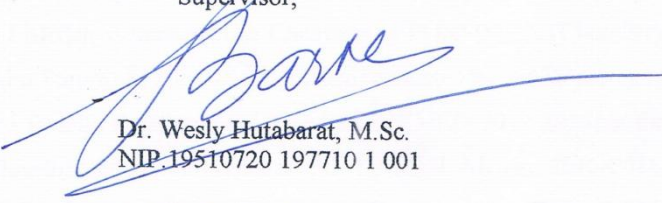


Title Of Thesis : Comparison Between Students Learning Outcomes
Taught With Problem Based Cooperative Learning
Using Experiment And Demonstration Methods On
Thermochemistry

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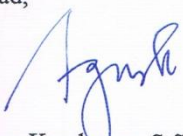
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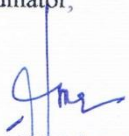
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Baharuddin Yusuf Habiby Harahap born in Tanjungbalai, on 02 April 1994. Mother's name is Khairiah Panjaitan and Father's name is Drs. Sa'dani Harahap. The author is the fifth child from 6 brothers. In 1999, the author entered Basic School (SDN) 137697 Tanjungbalai, and graduated in 2005. In 2005, the authors continue school in Junior High School (SMPN) 1 Tanjungbalai, and graduated in 2008. In 2008, the authors continue their education in Senior High School (SMAN) 1 Tanjungbalai, and graduated in 2011. In 2011, the author received in the Chemistry Education Study Programm, Department of Chemistry, Faculty of Mathematics and Natural Sciences, State University Of Medan through SNMPTN (written test). Organization history author during his education at the State University of Medan is mandated as Chairman of FORSIMKA (Chemistry Muslim Silaturahmi Forum) in 2013-2014 and also mandated by the Department of Public Relations (Public Relations) PK KAMMI UNIMED 2012-2015, at the Department of Development Commissioner PD KAMMI Medan 2015-2016, mandated in the field of community service Student Representative Body (BPM) Faculty in 2013-2015. As well as chairman of DPP PERMATA (Central Executive Council of the Association of Tanjungbalai Muslim Students) 2015-2017.