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Thesis entitled "**The Effect of Cooperative Learning Model Type of Student Teams Achievement Divisions (STAD) Based on Mind Mapping on Learning Outcomes of Students in The Dynamic Electrics Subject Matter in Class X Even Semester SMA Negeri 1 Perbaungan Academic Year 2012/2013**", prepared to obtain a Bachelor's degree Physical Education, Faculty of Mathematics and Natural Science in State University of Medan.

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The author has endeavored to as much as possible in completing this thesis, but the author is aware there are many drawbacks in terms of both content and grammar, then the authors welcome any suggestions and constructive criticism from readers for this thesis perfectly. The author hope the contents of this paper would be useful in enriching the repertoire of knowledge.

Medan, Juli 2013

Author,

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The image contains a large, faint watermark of the UNIMED logo. The logo is circular with a scalloped border. Inside the circle, there is a central emblem featuring a sun at the top, a stylized green plant with a red flower in the middle, and two small floral motifs at the bottom. The text "UNIVERSITAS SEBELAS MARI MEDAN" is written along the top inner edge of the circle, and "UNIMED" is written along the bottom inner edge.

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