

WEST VISAYAS STATE UNIVERSITY  
COLLEGE OF EDUCATION  
**GRADUATE SCHOOL**  
Iloilo City

**TEACHERS' EFFICACY AND SENIOR HIGH SCHOOL  
STUDENTS' ACADEMIC ACHIEVEMENT**

A Thesis Presented to  
the Faculty of Graduate School  
College of Education  
West Visayas State University  
La Paz, Iloilo City

In Partial Fulfillment  
of the Requirements for the Degree  
Master of Arts in Education  
(Social Studies)

by  
Julie Ann A. Hate

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APPROVAL SHEET

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by

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Hate, Julie Ann A. "*Teachers' Efficacy and Senior High School Students' Academic Achievement*" Unpublished Master's Thesis, College of Education Social Studies, West Visayas State University, La Paz, Iloilo City, March 2018.

**Abstract**

This descriptive-correlational study aimed at finding out the teachers' level of efficacy and the academic achievement of Senior High School students in the Fifth District of Iloilo. The participants in this study were the 22 purposively selected Senior High School teachers and 300 randomly selected students in the 11 secondary schools in the Fifth District of Iloilo enrolled in school year 2017-2018. The data-gathering instruments utilized were the adapted Teachers' Efficacy Scale by Tschannen-Moran & Hoy, (2001) to determine the efficacy of the teacher-respondents and an Achievement Test in Introduction to Philosophy of the Human Person based on the Learning Competencies of the Department of Education (DepEd). Appropriate statistical tools were employed to analyze data. Significance level for all inferential tests was set at .05 alpha. To process all numerical data, the researcher utilized the Statistical Package for the Social Sciences (SPSS) software. Finding showed that Senior High School teachers were "highly efficacious". The students had an "average" level of achievement in Introduction to Philosophy of the Human Person. There was significant difference in the efficacy of the teacher-respondents when grouped according to age and number of years in service. There was no significant relationship in the level of teacher's efficacy and students' academic achievement.

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**References**

- Ashton, P., Webb, R. & Doda, N. (1983). A study of teachers' sense of efficacy (Report No. 400790075). Gainesville, FL: National Institute of Education (ERIC Document Reproduction Service No. ED 231 834)
- Asma S., Shahin Ebrahimi K. , Taghi V. (2012). *The relation between social support and self-efficacy with academic achievement and school satisfaction among female Junior High School Students in Birjand*. (Retrieved from: [https://ac.els-cdn.com/S1877042813016972/1-s2.0-S1877042813016972-main.pdf?\\_tid=dc081ee8-e4d2-11e7-949100000aab0f01&acdnat=1513698174\\_1df24ff8df424fd2178bccae7881a606](https://ac.els-cdn.com/S1877042813016972/1-s2.0-S1877042813016972-main.pdf?_tid=dc081ee8-e4d2-11e7-949100000aab0f01&acdnat=1513698174_1df24ff8df424fd2178bccae7881a606) on November 20, 2017).
- Bandura, Albert. (2006). Self-efficacy Beliefs of Adolescents. Information Age Publishing. 307 – 325.
- Bandura, A. (2006). Guide for constructing self-efficacy scales. In F. Pajares & T. Urdan (Eds.), *Adolescence and education*. Greenwich, CT: Information Age.
- Bandura, A., (1997). *Self-efficacy: The exercise of control*. New York: W.H. Freeman.
- Chamberlin, J. (2008). A working definition of empowerment. National Empowerment Center. Retrieved September 7, 2016 from [http://www.power2u.org/articles/empower/working\\_def.html](http://www.power2u.org/articles/empower/working_def.html)

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Berman, P., McLaughlin, M., Bass, G., Pauly, E., & Zellman, G. (1977). Federal programs supporting educational change: Factors affecting implementation and continuation, Vol. VII. (Report No. R-1589/7-HEW). Santa Monica, CA: The Rand Corporation.

Retrieved from ERIC database. (ED 140432)

Cheung, H.Y. (2008) Teacher efficacy: a comparative study of Hong Kong and shanghai primary in-service teachers. *The Australian Educational Researcher*, 35, (1)103-123.9

Cubukcu, F. (2008). *A study between self-efficacy and foreign language learning anxiety.*

Fox, J., & Bailenson, J. (2009). Virtual self-modeling: *The effects of vicarious reinforcement and identification on exercise behaviors.*

*Media Psychology*, 12(1), 1-25.

Gibson, S., & Dembo, M. H. (1984). *Teacher efficacy: A construct validation.* *Journal of Educational Psychology*, 76, 569- 582

Goddard, R., Hoy, K., and Hoy, W. A. (2000). Collective Teacher efficacy: Its meaning, measure and impact on student achievement. *American Educational Research Journal*, 37 (2), 479- 507.

Guskey, T. R., (1988). Teacher efficacy, self-concept, and attitudes toward the implementation of instructional innovation. *Teaching and Teacher Education*, 4, 63–69.

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Hakan K., Fatih G., Gülay E. (2013). *The relationship among teacher efficacy, efficacy regarding teaching, and responsibility for student achievement.*(Retrieved

from:[https://ac.els-cdn.com/S1877042814003188/1-s2.0-S1877042814003188-main.pdf?\\_tid=fa7802fe-e4d1-11e7-9b75-00000aab0f6c&acdnat=1513697796\\_05f7569988946f7c5773748cb6d8ef32](https://ac.els-cdn.com/S1877042814003188/1-s2.0-S1877042814003188-main.pdf?_tid=fa7802fe-e4d1-11e7-9b75-00000aab0f6c&acdnat=1513697796_05f7569988946f7c5773748cb6d8ef32) on November 16 2016).

Henson, R. (2001) *Teacher self-efficacy: substantive implications and measurement Dilemmas*, Unpublished Master's Thesis

Hoy, Anita W. (2000). Changes in teacher efficacy during the early years of teaching. Presented Paper at the American Educational Research Association.

Lefrancois, G. (1999). *The lifespan* (6th ed.). Beverly, MA: Wadsworth.

Nunez,T.(2012) *Teacher self-efficacy: A link to student achievement in English language and mathematics in Belizean primary schools.* (Retrieved from:

[https://shareok.org/bitstream/handle/11244/7526/School%20of%20Teaching%20and%20Curriculum%20Leadership\\_238.pdf?sequence=1](https://shareok.org/bitstream/handle/11244/7526/School%20of%20Teaching%20and%20Curriculum%20Leadership_238.pdf?sequence=1) on July 25, 2016).

Pajares, Frank (1996). *Assessing self-efficacy beliefs and academic outcomes: The case for specificity and correspondence.* Retrieved from:

<http://www.emopy.edu/EDUCATION/mtp/acara2.html>.

Pajares, F., (2002). *Overview of social cognitive theory and of self-efficacy.* Retrieved from <http://www.emory.edu/EDUCATION/mfp/eff.html>

Parker, Jr. J. (2012) *Perception of teachers efficacy in changing times*, Unpublished Master's Thesis.

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Purzer, S. (2011). *The relationship between team discourse, self-efficacy, and individual achievement: A sequential mixed-methods study*. Journal of Engineering Education.

Vol. 100, No. 4, pp. 655-679

Sales J. (2017) *Efficacy and performance of Grade 8 science teachers, Division of Catanduanes*, Unpublished Master's Thesis.

Salvucci, S., Walter, E., Conley, V., Fink, S., & Saba, M. (1997). *Measurement error studies at the National Center for Education Statistics (NCES)*. Washington D. C.: U. S. Department of Education.

Schechter, C. & Tschannen-Moran, M. (2006). *Teachers' sense of collective efficacy: An international view*, International Journal of Educational Management, 20, 480-489.

Tschannen-Moran, M and Hoy, A. W. (2000). *The influence of resources and support on teacher efficacy beliefs*. American Educational Research Association.

Tschannen-Moran, M., Salloum, S.J., & Goddard, R. (2014). *Context matters: The influence of collective beliefs and shared norms*. In H. Fives & M. Gregoire Gill (Eds.), International Handbook of Research on Teachers' Beliefs (pp. 301-316). New York: Routledge.

Tschannen-Moran, M. & Chen, J. (2014). *Focusing attention on beliefs about capability and knowledge in teachers' professional development*. In L.E. Martin, S. Kragler, D.J. Quatroche, & K.L. Bauserman (Eds.), Handbook of Professional Development in Education: Successful Models and Practices, Pre-K12 (pp. 246-264). New York: The Guilford Press.

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- Tschannen-Moran, M. & Johnson, D. (2011). *Exploring literacy teachers' self-efficacy beliefs: Potential sources at play*. Teaching and Teacher Education. 27(4), 751-761.
- Tschannen-Moran, M and Hoy, A. W. (2000). *The influence of resources and support on teacher efficacy beliefs*. American Educational Research Association.
- Tschannen-Moran, M. and Woolfolk, Anita H. (2001). *Teacher efficacy: Capturing an elusive construct*. Teaching and Teacher Education. 17, 783-805.
- Tschannen-Moran, M. and Woolfolk, Anita H. (2007). *The differential antecedents of self-efficacy beliefs of novice and experienced teachers*. Teaching and Teacher Education v23, p944–956
- Tschannen-Moran, M. & McMaster, P. (2009). *Sources of self-efficacy: four professional development formats and their relationship to self-efficacy and implementation of a new teaching strategy*. The Elementary School Journal, 110, (2), 228-248.
- Tschannen-Moran, M. & Gareis, C. R. (2007). *Cultivating principals' sense of efficacy: What supports matter?* Journal of School Leadership, 17, 89-114.
- Tschannen-Moran, M. & Woolfolk Hoy, A. (2007). *The differential antecedents of self-efficacy beliefs of novice and experienced teachers*. Teaching and Teacher Education, 23, 944-956.
- Yoon, S. Y, Evans and Stroebel. (2012). AC 2012-4413: *Development of the teaching engineering self-efficacy scale (TSES) for K-12 teachers*. American Society for Engineering Education.

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Tsang, S. K. M., Hui, E. K. P., & Law, B. C. M. (2012). *Self-efficacy as a Positive Youth*

*Development Construct: A Conceptual Review*. The Scientific World JOURNAL,

Running title: Self-efficacy, available at: [www.thescientificworld.com](http://www.thescientificworld.com) Watson