

**THE USE OF ILUSTRATIONS IN THE STUDENTS' READING  
COMPREHENSION**

**(A Quasi Experimental Study in a Private College in Bandung)**

THESIS

Submitted to the English Education Department of the School of Postgraduate  
In Partial Fulfillment of the Requirements for Master's Degree in Education



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**ENGLISH EDUCATION STUDY PROGRAM  
SCHOOL OF POSTGRADUATE STUDY  
UNIVERSITAS PENDIDIKAN INDONESIA  
BANDUNG  
2019**

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# English Education at Secondary Education

Oleh  
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S.S UNPAS Bandung, 2013

Sebuah Tesis yang diajukan untuk memenuhi salah satu syarat memperoleh gelar Magister Pendidikan (M.Pd.) pada Fakultas Pendidikan Bahasa dan Seni

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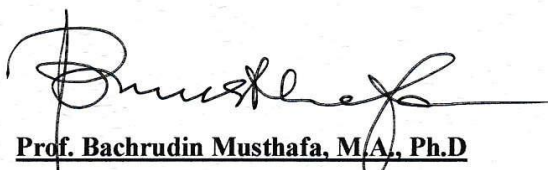
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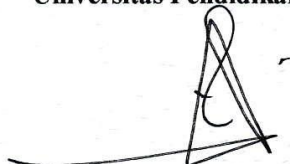
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# **THE USE OF ILLUSTRATION IN THE STUDENTS' READING COMPREHENSION**

(A Quasi-experimental Study in One College in Bandung, Indonesia)

## **Abstract**

This study investigated the effectiveness of illustrations on the students' reading comprehension and the students' attitude toward the use of illustrations in their reading comprehension. The aim is to determine whether or not illustrations affect the students' reading comprehension and their attitude. This study involved one experimental group and one control group as participants. The participants were asked to do pre-test and post-test. Once the participants had experienced both tests, they filled out the questionnaires and answered the interview. The participants' test showed different score between the control and the experimental group. In the control group, the scores of pre-test and post-test were similar, there was no significant difference after post-test, in other words, the improvement between pre-test and post-test was low. In the experimental group, the scores of pre-test and post-test were not similar, there was a significant difference after post-test, in other words, the improvement between pre-test and post-test was higher than the improvement in the control group. The questionnaire result showed most of the students agreed on the effectiveness of illustrations in helping their reading comprehension. The interview result revealed most of the students had positive response toward the use of illustrations in helping their reading comprehension. The use of illustrations, to some degree, is effective to improve the students' reading comprehension as well as the students' motivation.

**Key words:** illustration, reading skill, reading comprehension, reading strategies



## References

- Abdullah, AN., Al-Sobhi, B., & Rashid, S. (2018). Arab ESL Secondary Scholl Students' Attitude toward English Spelling and Writing. *Sage Journal*: pp.1-11. doi:journals.sagepub.com/home/sgo/10.1177/2158244018763477
- Akinbobola, A.O. (2015). Guidelines on How to Read a Physics Textbook and the Assessment of the Readability of Recommended Physics Textbooks in Secondary Schools in Osun State of Nigeria. *ISSN: Journal of Education and Practice, vol.6, no.6.* pp. 32-39.
- Akbari, H., (2017). Attitude towards Reading: L1 or L2 or Both. *Sage Journal: 1-10.* doi:http://journals.sagepub.com/home/sgo/10.1177/2158244017717303
- Berger, N., and Perfetti. C. (1997). Reading Skill and Memory for Spoken and Written Discourse. (Tesis). *University of Pittsburgh: vol.ix, no.1,* pp.7-16.
- Braet, W. (2011). Increased Stoop Interference with better Second-Language Reading Skill. *Psychology Press: The Quarterly Journal of Experimental Psychology, vol.64, no.3,* pp. 596-607.
- Brown, N. (1972). *Administering Educational Media: Instructional Technology and Library Services.* United State of America: McGraw-Hill, Inc.
- Brown, J.W., Lewis, R.B., & Harcleroad., F.F. (1977). *AV Instruction Technology, Media and Methods.* United State of America: McGraw-Hill, Inc.
- Buckley, C., & Waring, M.J. (2013). Using Diagrams to Support the Research Process: Examples from Grounded Theory. *Sage Journal: Journal Of Qualitative Research, vol.13, no.2,* pp.148-172.
- Carney, R.N., & Levin, J.R. (2001). Pictorial Illustrations Still Improve Students' Learning From Text. *Plenum Publishing Corporation: Educational Psychology Review, vol.14, no.1,* pp. 5-26.
- Creswell, J.W. (2009). *Research Design: Qualitative, Quantitative and Mixed Method Approaches.* United State of America: University of Nebraska-Lincoln.
- Ciullo, S., Sabrina, Y.L., Wanzek, J., & Reed, D.K. (2014). A Synthesis of Research on Informational Text Reading Interventions for Elementary Students with Learning Disabilities. *Sage Journal: Journal of Learning Disabilities, 3,* 257-271.

- Deeney, T.A. (2016). Service Teachers Reading and Discussing Informational Texts: Implications for Preparing Teachers to Meet the Common Core. *Sage Journal: Literacy Education*, 1-15. doi: <http://sgo.sagepub.com/10.1177/2158244016647994>
- Ely, D.P., and Gerlach, V.S. (1971). *Teaching and Media: A Systematic Approach*. Prentice Hall, Inc: Englewood Cliffs, N.J. 07632
- Evoy, A.M., (2017). Derivation, Evaluation, and Validation of Illustrations of Key Counselling Points for a Pediatric Eczema Action Plan. *Sage Journal: Journal of Cutaneous Medicine and Surgery*, 1-7. doi:<http://sagepub.com/journalsPermissions.nav/10.1177/1203475417741260>
- Fox, E. (2009). The Role of Reader Characteristics in Processing and Learning From Informational Text. *AERA:Review of Educational Research*, vol.79, no.1, pp. 197-261. Doi: <http://rer.aera.net/10.3102/0034654308324654>
- Gately, S.E. (2008). Facilitating Reading Comprehension for Students on the Autism Spectrum. *CEC: Teaching Exceptional Children*, vol.40, no.3, pp.40-45.
- Garderen, D., and Scheuermann, A.M. (2014). Diagramming Word Problems: A Strategic Approach for Instruction. *Sage Journal: Intervention in School and Clinic*, vol.50, no.5, pp. 282-290. doi: <http://isc.sagepub.com/10.1177/1053451214560889>
- Garner, R. (1982). Verbal-Report Data on Reading Strategies. *Journal of Reading Behavior: vol. xiv*, no.2, pp. 159-167.
- Hatch & Farhady. (1982). *Research Design and Statistics for Applied Linguistics*. Newbury House Publisher, Inc. Rowley, Massachusetts 01969
- Jolly, J., & Mitchell, M (2007). *Research Design Explained*. Thomson: Wadsworth.
- Kendeou, P., McMaster, K., & Christ, T. (2016). Reading Comprehension: Core Competent and Processes. *Sage journal: Policy Insights from the Behavioral and Brain Sciences*, I, 62-69. doi: <http://bbs.sagepub.com/10.1177/2372732215624707>
- Marsh, G., Desberg, P., & Cooper, J. (2004). Developmental Changes in Reading Strategies. *Journal of Reading Behavior*, ix, 4, 391-394.
- O'keefe, E., & Solman, R.T. (1987). *The Influence of Illustrations on Children's Comprehension of Written Stories*. Australia: University of New South Wales.
- Rijcke, S.D., & Draaisma, D. (2001). The Graphic Strategy: The uses and functions of Illustrations in Wundt's *Grundzüge*. *Sage publication: History of the Human Science*, vol.14, No.1, pp. 1-24.
- Seaton, H.W. (2002). The Effects of a Visual Perception Training Program on Reading Achievement. *Journal of Reading Behavior*, ix, 2, 188-192.
- Maio, G.R., & Haddock, G. (2012). *The Psychology of Attitudes and Attitude Change*. London: Sage Publication Ltd.

- Forgas, J.P., & Kruglanski, A.W. (2008). *Attitude and Attitude Change*. United State of America: Taylor & Francis Group, LLC
- McConkie, G.W., & Rayner, K. (1974). Investigation of Reading Strategies: Manipulating Strategies through Payoff Conditions. *Journal of Reading Behavior: vol.vi*, no.1, pp. 9-18.
- Newby, T.J., Stepich, D.A., Lehman, J.D., & Russel, J.D. (2000). *Educational Technology for Teaching and Learning*. Pearson: Merrill Prentice Hall
- Nurul, A. D. (2015). *Using Movie in Teaching Listening, Its Effect, Implementation, and Students Attitude*. (Tesis). Sekolah Pascasarjana, Universitas Pendidikan Indonesia, Bandung.
- Plano, V.C., and Ivankova, N.V. (2016). *Mixed Method Research: A Guide to the Field*. Los Angeles: Sage Publication.
- Pratama, E.Y. (2015). *The Implementation of Blended learning Method Using Edmodo (A Social Networking Site) in Teaching Reading Comprehension*. (Tesis). Sekolah Pascasarjana, Universitas Pendidikan Indonesia, Bandung.
- Reynolds, D., & Goodwin, A. (2016). Supporting Students Reading Complex Texts: Evidence for Motivational Scaffolding. *AERA Journal: vol. 2*, no.4, pp. 1-16. Doi: <http://ero.sagepub.com/10.1177/2332858416680353>.
- Ritchey, K.D. Palombo, K., Silverman, R.D., & Speece, D.L. (2017). Effects of an Informational Text Reading Comprehension Intervention for Fifth-Grade Students. *Sage Journal: Learning Disability Quarterly, vol. 40 (2)*, 68-80. doi: <http://journals.sagepub.com/home/ldq/10.1177/0731948716682689>
- Rossi, P.H., & Biddle, B.J. (1999). *The New Media and Education*. Chicago: Aldine Publishing Company.
- Stewig, J.W. (1972). Children's Preference in Picture Book Illustration. Association for Supervision and Curriculum Development: *Educational Leadership*, 273-277.
- Schott, G.D. (2010). Colored Illustrations of the Brain: Some Conceptual and Contextual Issues. *Sage Journal: Information Technology and Neuroscience, 16 (5)*, 508-518. Doi:<http://nro.sagepub.com/10.1177/1073858409355817>
- Schraw, G. (1996). Interactive, Compensatory Reading Strategies. *Journal of Literacy Research: Compensatory Strategies, vol.28*, no.1, pp. 55-70.
- Slattery, T., and Yates, M. (2017). Word Skipping: Effects of Word Length, Predictability, Spelling and Reading skill. *Sage Journal: Quarterly Journal of Experimental Psychology, vol.7*, no.1, pp. 250-259. doi:// <http://sagepub.co.uk/journalsPermissions.nav/10.1080/17470218.2017.1310264>
- Susetyo, B. (2017). *Statistika Untuk Ananlisis Data Penelitian: Dilengkapi Cara Perhitungan SPSS dan MS Office Excel*. Bandung: PT. Refika Aditama
- Sofyan, W.F. (2018). *Jigsaw with Crossword-Puzzle on the Students' Mastery of Accounting Students*. (Tesis). Sekolah Pascasarjana, Universitas Pendidikan Indonesia, Bandung.

- Verhallen, M., & Bus, A.G. (2011). Young Second Language Learners' Visual Attention to Illustrations in Storybooks. *Sage Journal: Journal of Early Childhood Literacy*, vol.11, no.4, pp. 480-500. Doi:/ <http://ecl.sagepub/10.1177/1468798411416785>
- Walter, B.A. (2014). Informational Text and the Common Core: A Content Analysis of Three Basal Reading Programs. *Sage Journal*: pp.1-8. doi: <http://sgo.sagepub.com/10.1177/2158244014555119>
- Yochum, N. (1991). Children's Learning From Informational Text: The Relationship between Prior Knowledge and Text Structure. *Sage Journal: Journal of Reading Behavior*.
- Yochum, N., & Miller, S. (1991). Asking Students *about the Nature of Their Reading Difficulties*. *Sage Journal: Journal of Reading Behavior*, XXIII, No. 4, 466-484.
- Yochum, N. (1991). Children's Learning From Informational Text: The Relationship Between Prior Knowledge And Text Structure. *Sage Journal: Journal of Reading Behavior*, XXIII, 1, 87-108.
- Yuanita, R. (2017). *Students' Reading Comprehension and Their Attitude toward Islamic Reading Texts: (A Reading Instruction Study in a Private Islamic Middle School in Bandung)*. (Tesis). Sekolah Pascasarjana, Universitas Pendidikan Indonesia, Bandung.
- Yuniarti, (2015). *Teaching oral Communication Strategies in EFL Speaking Classes: A Quasi-experimental Study in a Private University in Kuningan, Indonesia*. (Tesis). Sekolah Pascasarjana, Universitas Pendidikan Indonesia, Bandung.