

CHAPTER 5

CONCLUSION AND SUGGESTION

5.1 Conclusion

5.1.1 Reading Strategies of Health Analyst Department Students

The research data have showed that the students' problem solving reading strategies lead in comprehending their target texts at Health Analyst Department. Particularly, the students always get back on track when they lose concentration in comprehending their target texts. They usually think about what they know to help them understand in comprehending their target texts. They seldom utilize guessing the meaning of unknown words or phrases in laboratory procedure manuals and laboratory equipment instructional manuals. They also apply re-reading laboratory procedure manuals and laboratory equipment instructional manuals for increasing understanding. The 16 (sixteen) reading strategies items are highly applicable in comprehending their target texts.

5.1.2 Reading Comprehension of Health Analyst Department Students

The mean of reading comprehension Health Analyst Department Students data is 69.17. The writer can conclude that reading comprehension Health Analyst Department Students is good enough, but it still needs to be improved and developed. They need chance and motivation for their environment to train themselves for better comprehending laboratory procedure manuals and laboratory equipment instructional manuals.

5.1.3 The Correlation between Reading Strategies and Reading Comprehension of Health Analyst Department Students

The research result presents that reading strategies have significantly positive correlation to better reading comprehension to answer alternative hypothesis ($H_a \neq 0$) according to a two-tailed test at either the 0.05 or 0.01 alpha levels. The Support reading strategies give more significant correlation than two reading strategies. The frequency of problem solving reading strategies utilization do not have good correlation effect in better reading comprehension. The students actually do not realize that support reading strategies have great positive correlation effect to reading comprehension. Thus the writer can conclude which the students' choices of reading strategies do not always give the better reading comprehension.

With reading strategies, the students have the great opportunities for improving and developing their reading comprehension. The cooperation between teacher and the students at micro level and macro level in reading activities is needed for better application of global reading strategies, problem solving reading and support reading strategies.

The research gives optimism that reading strategies awareness will develop among the students for better reading comprehension. It can be seen in the result of the research where students can identify their own reading strategies. The students have the great potential according to the result of correlation analysis between overall reading strategies and reading comprehension.

5.2 Suggestions

5.2.1 Suggestions for teachers and students

This research suggests that reading strategies have significant correlation to reading comprehension achievement. Reading strategies are not only utilizing cognitive process aspects but also metacognitive process aspects. It can be seen in data analysis that support reading strategies have moderate positive correlation to reading comprehension achievement. Reading strategies should be developed in collaborative ways. Consequently, teachers and students have to maximize all potentials for developing reading strategies. Especially, the Health Analyst Department students have to effectively develop their reading strategies in comprehending laboratory procedure manuals and equipment procedure manuals.

5.2.2 Recommendation for the further research

Reading Strategies research have to consider many aspects namely psychology, education and culture. Reading strategies research is useful for developing students in reading comprehension, eventhough many experts have different statements of the relationship and the correlation between reading strategies and reading comprehension achievement. Some of them mentioned that reading strategies and reading comprehension achievement have no relationship and correlation. The writer recommends that future researchers expand the research of reading strategies in different perspectives such as class action research, class instructions, the relationship of reading strategies and writing strategies.

BIBLIOGRAPHY

- Aaron, P. G. (2005). Reading Interventions and Strategies. Steven W. L (ed) *Encyclopedia of School Psychology*. 432 – 444.
- Abraham, R.G., & Vann, R. J. (1996). Introduction of Validity Issues in The Assessment of L2 Learner Strategies. *Applied Language Learning Vol 7* (1&2). 1 – 93. Retrieved from www.dliflc.edu. (Accessed on 20th January 2013).
- Adams, M. (1999). Reading. *The MIT Encyclopedia of the Cognitive Sciences*. 705 – 707.
- Afflerbach, P., Pearson, P. D, & Paris, S. G. (2008). Clarifying Differences between Reading Skill and Reading Strategies. *The Reading Teacher*, 61(5). 364–373.
- Alderson, J. C. (2000). *Assessing Reading*. Cambridge University Press.
- Anderson, N. J. (1999). Improving Reading Speed. *English Teaching Forum* 37 (2). 2 - 5. Retrieved, from: <http://www.dosfan.lib.uic.edu>. (Accessed on 6th February 2013).
- Armbruster, B.B. Echols, C.H. & Brown, A.L (1983). *The Role of Meta-cognition in Reading to Learn: A Developmental Perspective*. Bolt Beranek and Newman, Inc.
- Baddeley, A.D. (1999). *Essentials of Human Memory*. Psychology Press Ltd.
- Berninger, V.W. (2004). Teaching of Reading. *The Encyclopedia of Applied Psychology*. 231 – 237. Elsevier Inc.
- Brase, C.H. & Brase, C.P. (2007). *Understanding Basic Statistics* 4th edition. Houghton Mifflin Company.
- Brown, J. D., & Rodgers, T. S. (2002). *Doing Second Language Research*. Oxford University Press.
- Brown, H. D. (2004). *Language Assesment Principles and Classroom Practice*. Longman Pearson Education.
- Butcher, K.R., & Kintsch, W. (2003). Text Comprehension and Discourse Processing. *Handbook of Psychology*. 575 - 595. DOI: 10.1002 / 0471264385. wei0421.

- Chamot, A.U. (2004). Issues in Language Learning Strategy Research and Teaching. *Electronic Journal of Foreign Language Teaching* 1(1). 14-26. Retrieved from <http://e-flt.nus.edu.sg> (Accessed on 20 January 2013).
- Chamot, A. U., Dale, M., O'Malley, J. M., & Spanos, G. A. (1992). Learning and Problem Solving Strategies of ESL Students. *Bilingual Research Journal: The Journal of the National Association for Bilingual Education* 16 (3-4). Retrieved from <http://www.tandfonline.com>. (Accessed on 24 February 2013).
- Cohen , A. D. (1998). *Strategies in Learning and Using a Second Language*. London: Longman. 14-26.
- Cohen, A. D. (1996). Verbal Reports as A Source of Insights into Second Language Learner Strategies. *Applied Language Learning* Vol 7 5-24.
- Coolican, H. (1994). *Research Methods and Statistics in Psychology* 2nd Edition. London: Hodder & Shoughton.
- Echevarria, J. M. E., Vogt and Short. (2004). *Making Content Comprehensible for English Language Learner* 2nd edition. Needham heights MA: Allyn & Bacon.
- Evans, V., and Green, M. (2006). *Cognitive Linguistics Introduction*. Edinburgh University Press.
- Field, A. (2009). Correlation. *Discovering Statistics Using SPSS*. SAGE Publications Ltd. 166-196.
- Field, J. (2004). *Psycholinguistics*. 1st edition. London: Routledge.
- Fletcher, J. M. (2006). Measuring Reading Comprehension. *Scientific Studies of Reading*. Lawrence Erlbaum Associates. Inc.
- Foltz, P. W. (1993). *Readers' Comprehension and Strategies in Linear Text and Hypertext*. University of Colorado. Institute of Cognitive Science. Retrieved from psychwww.colorado.edu/ics/. (Accessed on 19th March 2013)
- Grabe, W. (2002). Dilemmas for The Development of Second Language Reading Abilities J. C. Richard, & W. A. Renandya (Eds). *Methodology in Language Teaching*. Cambridge University Press Publishing.
- Grabe, W. & Stoller, F .L. (2002). *Teaching and Researching Reading*. Pearson Education Limited.
- Gilani, M.R.A., Ismail, H.N., & Gilakjani, A.P. (2012). Impacts of Learning Reading Strategy on Students' Reading Comprehension Proficiency. *The*

International Journal of Language Learning and Applied Linguistics World. 1 (1). 78-95.

Gremmo, M. J. (1985). Learning A Language or Learning to Read. Riley (ed). *Discourse and Learning*. London: Longman.

Greene, J. (2005). *Memory. Thinking and Language*. Taylor & Francis e-Library.

Griffiths, C. (2008). Strategies and Good Language Learners, C. Griffiths (ed.) *Lesson from Good Language Learners*. Cambridge University Press.

Griffiths, C. (2003). *Language Learning Strategy Use and Proficiency*. (Thesis (PhD--Education) University of Auckland) Retrieved from www.researchspace.auckland.ac.nz. (Accessed on 25th March 2013).

Griffiths, C. (2004). Language Learning Strategies. *Theory and Research*. Occasional Paper (1) February. AIS St Helens. Retrieved from <http://www.crie.org.nz>. (Accessed on 26th January 2013).

Grondlund, N.E., & Linn, R.L. (1990). *Measurement and Evaluation in Teaching*. Macmillan Publishing Company.

Hayes, D. (2006). Reading. *Primary Education*. London: Routledge Publishing.

Hedgcock, J. S., & Ferris, D. R. (2009). *Teaching Readers of English*. New York: Routledge Publishing.

Hohn, R. L. (2005). Learning. *Encyclopedia of School Psychology*. 283-289.

Janzen, J. (2002). Teaching Strategic Reading. *Methodology in Language Teaching*. London: Cambridge University Press.

Joseph, L. M. 1998. Reading Interventions. *The Encyclopedia of Applied Psychology*.

Karbalae .K.S. (2013). Does Reading Strategy Use Predict and Correlate with Reading Achievement of EFL Learners?. *International Journal of Research Studies in Language Learning*. 2 (2) 29-38.

Kamil, M. L. (2008). Reading Comprehension Strategies. *Encyclopedia of Educational Psychology*. 840 –842.

Kintsch, W. (1994). Text Comprehension. *Memory, and Learning*. American Psychologist, 49(4), 294–303.

Kurzweil, J., & Scholl, M. (2007). Understanding Teaching through Learning. *The Individual Student and Learning*. McGraw-Hili.

- Lamon, M. (2002). Constructivist Approach. *Encyclopedia of Education* 2nd Edition. 1463 – 1467.
- Meneghetti, C., Carretti, B., & De Beni, R. (2007). Components of Reading Comprehension and Scholastic Achievement. *Learning and Individual Differences* Vol 16. 291 – 301. Retrieved from <http://www.sciencedirect.com>. (Accessed on 25th March 2013).
- Madhumathi, P. & Ghosh, A. (2012). Awareness of Reading Strategy Use of Indian ESL Students and the Relationship with Reading Comprehension Achievement. *English Language Teaching* Vol. 5 (12). 131 – 140. Retrieved from <http://www.ccsenet.org>. (Accessed on 20th June 2013).
- Magogwe, J. M. (2013). Metacognitive Awareness of Reading Strategies of University of Botswana English as Second Language students of Different Academic Reading Proficiencies. *Reading & Writing* 4(1). 1 – 8. Retrieved from <http://www.rw.org.za>. (Accessed on 20th June 2013)
- Miller, R. R. & Grace, R. C. (2003). Conditioning and Learning, Handbook of Psychology. *Experimental Psychology* Vol 4. 360 – 389.
- Moshman, D. (2005).. Rationality, Morality, and Identity. The Nature of Rationality. The Construction of Rationality. *Adolescent Psychological Development* 2nd Edition. Lawrence Erlbaum Associates Publishing . 16-46.
- Mokhtari, K., & Shoerey, R. (2002) Measuring ESL Students' Awareness of Reading Strategies. *Journal of Developmental Education*, 25 (3). 2 – 10. Retrieved from <http://www.academia.edu>. (Accessed on 20th July 2013).
- Norouzian, R. & Mehdizadeh. M. (2013). Reading Strategy Repertoires in English for Academic Purposes (EAP) Contexts: Students and Teachers in Academic Reading. *The International Journal of Language Learning and Applied Linguistics World* 3 (1).). 1 – 11.
- Nunan, D. (2003). *Practical English Language Teaching*. McGraw-Hill Education.
- Nunan, D. (1991). *Language Teaching Methodology*. Hall International Publishing .
- Nuttall, C. (2005). *Teaching Reading Skills in A Foreign Language* 3rd edition, Oxford: MacMillan.
- Öney, Banu. (2002). Beginning reading. *Encyclopedia of Education* 2nd Edition. AACSB International. 1974 - 1977. Retrieved from <http://www.aacsb.edu>. (Accessed on 22nd February 2013).

- Oxford, R. L. (1990). *Language Learning Strategies*. Heinle & Heinle Publishing.
- Oxford, R. L., Leaver, B.L., & Ehrman, M. E. (2003). A Brief Overview of Individual differences in Second Language Learning. *System* 31. 313-330.
- Patel, M.F. Dr. & Jain, P. M. (2008). Reading. *English Language Teaching. Methods, Tools & Technique*. Jaipur: Sunrise Publishing. 111 – 124.
- Phye, G. D. (2004). Learning. *The Encyclopedia of Applied Psychology*. 519 – 526.
- Santiana. (2009) *Students' Reading Strategies and Their Reading Comprehension. A Case Study at Junior High School in Ciamis West Java*. Retrieved from <http://www.repository.upi.edu>. (on 20th July 2013).
- Treiman, R., Clifton. Jr. C., Meyer, A. S., & Wurm, L. H. (2003). Language Comprehension and Production. *Handbook of Psychology* 4 .528-543.
- Van DerHeyden, A. M. (2008). Learning Strategies. *Encyclopedia of educational psychology*. SAGE Publications Inc. 592 – 597.
- Westwood, P. (2004). Learning and Learning Difficulties, *A handbook for teachers*. Australian Council for Educational Research Ltd Press.
- Wildman, T. M. (2008). Learning, *Encyclopedia of Educational Psychology*. 573 – 578.
- Willingham, D.T. (2006). *The Usefulness of Brief Instruction in Reading Comprehension Strategies*. American Federation of Teachers. Retrieved from <http://www.aft.org>. (Accessed on 20th January 2013).
- Winch, C.,& Gingell, J. (2008). *Philosophy of Education*. London: Routledge.