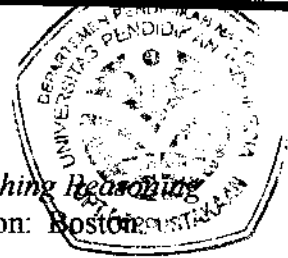


DAFTAR PUSTAKA

- Abdul Aziz Wahab.(1998). *Implementasi Kurikulum dalam Konteks Analisis Kebijakan Pendidikan*. Makalah Hand-Out. Program Pascasarjana UPI: Bandung (Tidak dipublikasikan).
- Abruscato, J. (1982). *Teaching Children Science*. Prentice-Hall, Inc. Englewood Cliffs: New Jersey, USA
- Anderson, O.R & Demetrus. O.J. (1993). A Flow-Map Method of Representing Cognitive Structure Based on Respondents' Narrative Using Science Content. *Journal of Research in Science Teaching*, 30, 8, 953-969.
- Applegate, M.D., Quinn, K.B., & Applegate, A.J. (1994). Using Metacognitive Strategies to Enhance Achievement for At-risk Liberal Arts College Students. *Journal of Reading*, 38, 1, 32-40
- Armbruster, B.B., Anderson, T.H., & Mayer, J.L. (1991). Teaching Text Structure to Improve Reading and Writing. *Science Education*, 26, 130-137.
- Bell, B.F. (1993). *Children's Science, Constructivisme and Learning Science*. Deakin University: Australia
- Beyer, B.K. (1988). *Developing a Thinking Skills Program. A Complete, Practical Plan for Developing and Implementing a Systematic Thinking Skills in any School*. Allyn and Bacon, Inc.: Boston. USA
- Bloom, B.S.(1956). *Taxonomy of Educational Objectives. The Classification of Educational Goal. Handbook 1. Cognitive Domain*. David McKay Company, Inc.: New York.
- Bond, et. al., (1994). *Reading Difficulties. Their Diagnosis and Correction*. Allyn and Bacon, Inc.: Boston. USA
- Borg, W.R. & Gall, M.D. (1989). *Educational Research: An Introduction*. Longman : New York.
- Carin, A.A. (1997). *Teaching Modern Science. (7th edition)*. Merrill Printice Hall: New Jersey
- Carin, A.A & Sund, R.B.(1989). *Teaching Science Through Discovery (6rd edition)*. Merrill Publishing Company: Columbus, Ohio.

- Cavallo, A.M.L.(1994). Relationships between Students' Meaningful Learning Orientation and Their Understanding of Genetics Topics. *Journal of Research in Science Teaching*, 31,4, 391-418.
- Cook, L.K. & Mayer, R.E. (1988). Teaching Readers about the Structure of Scientific Text. *Journal of Educational Psychology*, 80, 448-456.
- Costa, A.L. (1985). (editor). *Developing Minds. A Resource Book for Teaching Thinking*. Association for Supervision and Curriculum Development: Alexandria, Virginia.
- Craig, M.T & Yore, L.D.(1996). Middle School Students' Awareness of Strategies for Resolving Comprehension Difficulties in Science Reading. *Journal of Research and Development*, 29, 24, 226-238. (Diklat - Temu 2003. Jember)
- Depdikbud. (1994). *Garis-Garis Besar Program Pengajaran (GBPP) Fisika SLTP dan SMU*. Jakarta: Balai Pustaka.
- Depdiknas. (2001). Peranan Dewan Sekolah di Era Otonomi Daerah. Dengan Buku Jelajahi Dunia. *Buletin Pusat Perbukuan. Vol.5*. Jakarta: Pusat Perbukuan Depdiknas
- Depdiknas. (2001). *Kurikulum Berbasis Kompetensi. Mata Pelajaran Fisika SLTP*. Pusat Kurikulum Badan Penelitian dan Pengembangan Depdiknas: Jakarta
- Evans, C.S. (1984). Writing to Learn In Math. *Science Education*, 8, 828-835.
- Fellows, N.J. (1992). A Window Into Thinking : Using Students' Writing to Understand Knowledge Structuring and Conceptual Change. *Journal of Research In Science Teaching*, 8, 124-130.
- Fellows, N.J.(1994). A Window Into Thinking : Using Students' Writing to Understand Conceptual Change in Science Learning. *Journal of Research In Science Teaching*, 31, 985-1001.
- Fraser, B.J. (1993). *Research Implications for Science and Mathematics Teachers*. Volume 1. Perth : Curtin University of Technology
- Gaskins, I.W. & Guthrie, J.T. (1994). Integrating Instruction of Science, Reading, and Writing : Goals, Teacher Development , and Assesment. *Journal of Research In Science Teaching*, 31, 1039-1056.
- Gay, L.R. (1987). *Educational Research Competencies for Analysis and Application* (3rd edition). Columbus, Ohio : Merrill Publishing Company.

- Glynn, S.M. & Muth, K.D. (1994). Reading and Writing to Learn Science: Achieving Scientific Literacy. *Journal of Research In Science Teaching*, 31, 1057-1073.
- Gottfried, S.S & Kyle, W.C. (1992). Textbook Use and The Biology Education Desired State. *Journal of Research In Science Teaching*, 29, 35-49.
- Griffin, et al. (1995). Effects of Graphic Organizer Instruction on Fifth-Grade Students. *The Journal of Educational Research*, 89, 2, 98-108.
- Gunstone, R. & White, R. (editors). *The Content of Science A Constructivist Approach to its Teaching and Learning*. The Falmer Press: London
- Halloun, I. (1996). Schematic Modeling for Meaningful Learning Physics. *Journal of Research In Science Teaching*. 33,9, 1019-1019.
- Harlen, W. (1985). *The Teaching of Science. Studies in Primary Education*. David Fulton Publishers: London
- Harlen, W. (1992). *Primary Science. Taking the Plunge*. Heinemann Educational Books: USA
- Helgesson, S. (1992). *Problem Solving Research in Middle/Junior High School Science Education*. Merrill Publishing Company, Inc.: Columbus, Ohio.
- Holliday, W.G. (1994). The Reading – Science Learning- Writing Connection: Breakthroughs, Barriers, and Promise. *Journal of Research In Science Teaching*, 31, 877-893.
- Kenyon, R.W. (1989). *Writing is Problem Solving. Writing to Learn Mathematics and Science*. New York : Teacher College Press. 73-79.
- Killen, R. (1998). *Effective Teaching Strategies. Lessons from Research and Practice. (2nd edition)*. Social Science Press: Australia.
- Kinnuen, R. & Vauras, M. (1995). Comprehension Monitoring and the Level of Comprehension in High-and Low-Achieving Primary School's Reading. *Learning and Instruction*. Vol.5, 143-165
- Kirby, J.R. (1984). (editor). *Cognitive Strategies and Educational Performance*. Harcourt Brace Jovanovich, Publishers : London
- Klopfer, L. & Champagne, A.B. (1990). *Understanding In Physical World and Comprehending Science Text In Learning from Science Text & Materials*. Washington : International Reading Assosiation.



- Krulik, S. & Rudnick, J.A. (1995). *The New Source Book for Teaching Reasoning and Problem Solving in Elementary School*. Allyn and Bacon: Boston.
- Laidlaw, E.N., Skok, R.L., & Mc Laughlin, T.F. (1993). The Effects of Notetaking and Selfquestioning on Quiz Performance : *Science Education*, 77, 75-82.
- Lee, *et al.* (1996). Cognitive Variables in Problem Solving in Chemistry: A Revisited Study. *Science Education*. 80, 6, 691-710.
- Leo Sutrisno.(1992). *Pendidikan MIPA di Indonesia : Rangkuman Dengan Pendekatan Meta-Analysis*. Pontianak : Universitas Tanjungpura.
- Mason, A. (1993). Reading Research in the Primary Classroom. *Journal of Research in Reading*, 16 (2), 128-137
- Matlin, M.W. (1994). *Cognition* (3rd edition).Harcourt Brace Publishers : USA
- Mayer, R.E. (1992). Guiding Students' Cognitive of Scientific Information Text . *Journal of Educational Psychology*, 84, 405-412.
- McLain, *et al.* (1991). Value of a Scale Used to Measure Metacognitive Reading Awareness. *Journal of Educational Research*, 85, 21, 81-87.
- McCrinkle, A.R. & Christensen, C.A. (1995). The Impact of Learning Journals on Metacognitive and Cognitive Processes and Learning Performance. *Learning and Instruction*, vol.5, 167-185
- Mettes, *et al.* (1980). Teaching and Learning Problem Solving in Science: A General Strategy. *International Journal of Science Education*.57, 3, 882-885
- Mohammad Asrori. (1995). *Strategi Pengelolaan Diri untuk Pengembangan Proaktivitas Remaja dengan Menggunakan Model Cormier dan Cormier*. Disertasi Program Pascasarjana UPI Bandung (Tidak dipublikasikan).
- Moore, D.W. & Readance, J.E. (1984). A Quantitative and Qualitative Review of Graphic Organizer Research. *Journal of Educational Research*, 78, 11-17.
- Moore, P.J., Chan, L.K, & Au, W.K. (1993). High School Student's Use of Diagrams during Reading. *Journal of Research in Reading*, 16(1), 57-71
- Muhibbin Syah. (2001). *Psikologi Pengajaran dengan Pendekatan Baru*. Rosda Karya: Bandung

- Norris, S.P. & Phillips, L.M. (1994). Interpreting Pragmatic Meaning When Reading Popular Reports of Science. *Journal of Research In Science Teaching*, 31, 947-967.
- O'Donnell, A.(1993). Searching for Information in Knowledge Maps and Texts. *Contemporary Educational Psychology*, 18,222-239.
- Pestel, B.C. (1993). Teaching Problem Solving without Modeling through "Thinking Aloud Pair Problem Solving". *Science Education*, 77,1, 83-94.
- Peterson,S.E & Klein, J.D (1992). Using maps to Retrieve Text : A Test of Conjoint Retention. *Contemporary Educational Psychology*, 17, 56-70
- Ratna Willis Dahar. (1989). *Teori-Teori Belajar*. Jakarta: Erlangga.
- Rivard, L.P. (1994). A Review of Writing to Learn Science Implication for Practice. *Journal of Research In Science Teaching*, 31, 969-983.
- Robinson, H.A. (1975). *Teaching Reading and Study Strategies the Content Areas*. Allyn and Bacon, Inc.: Boston USA
- Rutherford, F.J. & Ahlgren, A.(1990). *Science for All American*. Oxford University Press: New York.
- Schmitt, M.C. (1990). A Questionnaire to Measure Children's awareness of Strategic Reading Processes. *A Journal of the International Reading Association*, vol. 43, No. 7, March, 454- 461.
- Schraw, *et al.* (1993). Constraints on the Collaboration of Performance. *Contemporary Educational Psychology*, 17, 406-412.
- Siegel, S.(1992). *Statistik Nonparametrik untuk Ilmu-Ilmu Sosial*. (alih bahasa Zanzawi Suyuti). PT. Gramedia : Jakarta.
- Singer, H. & Ruddell, R.B.(edits).(1988). *Theoretical Models and Processes of Reading (3rd edition)*. International Reading Association, Inc.: Newark, Delaware
- Spiegel, G.F & Barufaldi, J.P. (1994). The Effects of Combination of Text Structure Awareness and Graphic Postorganizers on Recall and Retention of Science Knowledge. *Journal of Research In Science Teaching*, 29, 913-932.
- Stuessy, C.L & Naizer, G.L. (1996). Reflection and Problem Solving: Integrating Methods of Teaching Mathematics and Science. *School Science and Mathematics*. 96,4, 170-177.

- Subino. (1987). *Konstruksi dan Analisis Tes Suatu Pengantar kepada Teori Tes dan Pengukuran*. Depdikbud Dirjen Dikti Proyek Pengembangan LPTK: Jakarta
- Sugiyono. (2002). *Statistika Untuk Penelitian*. Cetakan keempat. Alfabeta : Bandung.
- Swinson, K. (1992). Writing Activities as Strategies for Knowledge Construction and The Identification of Misconceptions In Mathematics. *Journal of Science and Mathematics Education In Southeast Asia*, 15, 7-14.
- Tierney, et al. (1980). *Reading Strategies and Practices: Guide for Improving Instruction*. Allyn and Bacon, Inc.: Boston, USA
- Tompkins, R.S. (1991). The Use of a Spatial Learning Strategy to Enhance Reading Comprehension of Secondary Subject Area Text. *Paper Presented at The Annual Indiana Reading Conference* (ERIC Document No. ED.337752).
- Trowbridge, L.W. & Bybee, R.W. (1990). *Becoming a Secondary School Science Teacher (5th edition)*. Merrill Publishing Company : Columbus, Ohio
- Tuckman, B.W. (1978). *Conducting Educational Research*. Harcourt Brace Javanovich, Inc.: New York
- Tudor, M.T. (1992). Expert and Novice Differences in Strategies to Problem Solve an Environmental Issues. *Contemporary Educational Psychology*, 17, 329-339.
- Twining, J.E. (1991). *Strategies for Active Learning*. Allyn and Bacon : Boston , USA
- Walter, B.F. (1988). *New Dimençons in Science Education*. Ohio Department of Education.
- Weinert, F.E & Kluwe, R.H.(1987).(editors). *Metacognition, Motivation, and Understanding*. Lawrence Erlbaum Associates, Publishers: Hillsdale, New Jersey
- White, R.T. (1988). *Learning Science*. Basil Blackwell, Ltd.: New York
- Winn, W.(1993). An Account of How Readers Search for Information in Diagrams. *Contemporary Educational Psychology*, 18, 162-185.
- Woolfolk, A.E. (1984). *Educational Psychology for Teachers. (2nd edition)*. Prentice-Hall, Inc.: New Jersey

Woolfolk, A.E. (1995). *Educational Psychology*. (6th edition). Allyn and Bacon: USA

Yoong, W.K. (1992). On Becoming A Reflective Teacher: Learning With The Filipino Mathematics Educators. *Journal of Science and Mathematics Education In Southeast A-56*.

Yore, L.D. & Shymanky, J.A. (1991). Reading In Science Developing and Operational Conceptions to Guide Instruction. *Journal of Research In Science Teaching*, 1, 29-36.

Zabrucky, K. & Commander, N.E. (1993). Rereading to Understanding: The Role of Text and Reader Proficiency. *Comtemporary Educational Psychology*, 16, 10, 444-453.

Zajchowski, R. & Martin, J. (1996). Differences in the Problem Solving of Stronger and Novices in Physics: Knowledge, Strategies, or Knowledge Structure?. *Journal of Research In Science Teaching*, 30, 5, 459-470.

