

DAFTAR PUSTAKA

- Adiwikarta, S. (1988). *Sosiologi Pendidikan: Isyu dan Hipotesis Tentang Hubungan Pendidikan Dengan Masyarakat*. Jakarta: P2LPTK, Dirjen Dikti, Depdikbud.
- Aikenhead, G. (1992). The Integration of STS into Science Education. *Theory Into Practice*, 31 (1), 27-35.
- Akimichi, T. (1993). "Coral Reef Foragers in Transition: Nomadism, Sendetarism and Etno-Network". A Paper Persented at International Seminar on Bajau Communities, LIPI, Jakarta, 22-25 November 1993.
- Alimaturrahim. (1991a). *Masyarakat Bajo di Sulawesi Tenggara Lebih Dari Sekadar Perjuangan Hidup*. Kendari: Yayasan Sama.
- (1991b). *Masyarakat Bajo di Sulawesi Tenggara*. Kendari: Yayasan Sama.
- (1991c). *Problematika Pengembangan Masyarakat Bajo di Sulawesi Tenggara*. Kendari: Yayasan Sama.
- (1990). *The Song of Pongka'*. Kendari: Yayasan Sama.
- Alvarez, A. A. (1991). "Student Attitudes To Science: Gender, Grade Level and Achievement Differences", dalam ICASE, (1991), Proceedings of The Sixth ICASE Asian Symposium dengan Thema: Science, Mathematics & Technology For All: Towards A Better Society, Universiti Brunei Darussalam, Bandar Seri Begawan, 4-10 December 1989.
- Anderson, J. R. (1990). *Cognitive Psychology and Its Implications*. New York: W. H. Freeman.
- Anderson, R. D. et al. (1970). *Developing Children's Thinking Trough Science*. New Jersey: Prentice-Hall, Inc., Englewood Cliffs.
- Ang, W.H., Chong, M.S. & Leong, Y.G. (1991). "Technology in The Teaching of Prymary Science", dalam ICASE, (1991), Proceedings of The Sixth ICASE Asian Symposium dengan Thema: Science, Mathematics & Technology For All: Towards A Better Society, Universiti Brunei Darussalam, Bandar Seri Begawan, 4-10 December 1989.
- Anonim. (1990). *Peraturan Pelaksanaan Sistem Pendidikan Nasional*. Jakatrt: Armas Duta Jaya.

- Appleton, W. M. (1996). "Students' Responses during Discrepant Event Science lessons". Makalah pada Pertemuan Tahunan National Association for Research in Science Teachers, St. Lois, 31 Maret - 3 April 1996.
- Banerjee, A.C. & Yager, R.E. (1992). "Improvement in Student Perceptions of Their Science Teachers, The Nature of Science, and Science Careers With Science/Technology/Society Approach", dalam Yager, R. E., (Ed) (1992), *The Status of Science-Technology-Society Reform Efforts around the World*. Virginia: ICASE Yearbook.
- Bar, V. (1989). "Children's Views about the Water Cycle". *Science Education*, 73 (4), 481-500.
- Bell, B. F. (1993). *Children's Science, Constructivism and Learning in Science*. Geelong, Victoria: Deakin University Press.
- Bodner, M. (1986). "Constructivism: A Theory of Knowledge". *Journal of Chemical Education*, 63 (10), 873-878.
- Bogdan, R. C. & Biklen, S. K. (1982). *Qualitative Research for Education: An Introduction to Theory and Methods*. Boston: Allyn and Bacon, Inc.
- Borg, W. R. & Gall, M. D. (1989). *Educational Research: An Introduction*. New York: Logman.
- Brotosiswoyo, B. S. (1994). "Pengaruh Teknologi pada Pendidikan Sains". Makalah pada seminar dan lokakarya science, technology, and society di PPPG IPA, Bandung, 11-21 Januari 1994.
- Brown, J., et al. (Eds). (1986). *Science in Schools: Exploring The Curriculum*. Philadelphia: Open University Press.
- Burningham, N. (1993). "Bajau Lepa and Sope: A "Seven-Raft Canoe" Building Tradision in Indonesia". *The Beagle, Records of the Northern Territory Moseum of Arts and Sciences*, 10 (1), 193-222.
- Butler, G. (1991). "Science and Thinking: The Write Connection. *Journal of Science Teacher Education*, 2, 106-110.
- Butt, D. P., & Hofman, H. (1993). "Hands-on, Brains-on: For Children, the Words Following the Activity Complete the Concept". *Science and Children*, February 1993.
- Carey, S. & Smith, C. (1993). "On Understanding The Nature of Scientific Knowledge. *Educational Psychologist*, 28, 235-251.

- Carin, A. A. & Sund, R. B. (1980). *Teaching Science Through Discovery*. Columbus, Ohio: Charles E. Merrill Publishing Co., A Bell & Howell Co.
- Carr, M., *et al.* (1994). "The Constructivist Paradigm and Some Implications for Science Content and Pedagogy", dalam Fensham, P. J., Gunstone, R. R. & White R. T. (Eds), (1994), *The Content of Science: A Constructivist Approach to its Teaching and Learning*. London: The Falmer Press.
- Charles, C. M. (1976). *Individualizing Instruction*. New York: Mosby Company.
- Child, D. (1977). *Psychology and the Teacher*. New York: Houghton Mifflin Co.
- Clark, P. (1995). "Bajau Material Culture in The Museum and Art Galery of The Northern Territory, Australia". A Paper Presented at International Conference on Bajau/Sama Community, "Bajau-Meniti Zaman", Kota Kinabalu, Sabah, Malaysia, June, 24-28, 1995.
- Collins, J. T. (1995). "Preliminary Notes on The Language of The Bajo Sangkuang Comunity of Bacan, East Indonesia". A Paper Presented at International Conference on Bajau/Sama Community, "Bajau-Meniti Zaman", Kota Kinabalu, Sabah, Malaysia, June, 24-28, 1995.
- Connor, J. V. (1990). "Naive Conceptions and The School Science Curriculum", dalam Rowe, M.B. (Ed), (1990), *What Research Say to the Science Teacher, 6. The Process of Knowing*. Wasington: NSTA.
- Cross, R. T. (1993). "The Risk of Risks: A Challenge and a Dilemma for Science and Technological Education". *Research in Science & Technological Education, 11 (2)*, 171-183.
- Dagher, Z. R. (1994). "Does the Use of Analogies Contribute to Conceptual Change?". *Journal of Science Teacher Education, 76 (6)*, 601-614.
- Dahar, R. W. (1989). *Teori-teori Belajar*. Jakarta: Erlangga
- (1985). *Kesiapan Guru Mengajarkan Sains di Sekolah Dasar Ditinjau dari Segi Pengembangan Keterampilan Proses Sains*. Disertasi Doktor pada FPS IKIP Bandung: tidak diterbitkan.
- Dahlan, M. D. (1990). *Model-model Mengajar: Beberapa Alternatif Interaksi Belajar-Mengajar*. Bandung: Diponegoro.
- Departemen Agama Republik Indonesia. (1989). *Al-Qur'an dan Terjemahnya*. Surabaya: Mahkota.
- Depdikbud. (1994). *Kurikulum Pendidikan Dasar. GBPP IPA-SD*. Jakarta: Depdikbud.

- Dimiyati, M. (1988). *Landasan Kependidikan: Suatu Pengantar Pemikiran Keilmuan tentang Kegiatan Pendidikan*. Jakarta: Depdikbud, Dirjen Dikti, P2LPTK.
- Dirman, L. O. (1997). *Orang Bajo Berese (Adaptasi pada Pemukiman Orang Bajo di Wilayah Pesisir Desa Holimombo Kabupaten Dati II Buton)*. Tesis pada PPS PPS UI, Jakarta: tidak diterbitkan.
- Driver, R. & Leach, J. (1993). "A Constructivist View of Learning: Children's Conceptions and the Nature of Science", dalam Yager, R. E. (Ed), (1993), *What Research Says to the Science Teacher, 7. The Science, Technology, Society Movement*. Wasington, DC: National Science Teachers Association.
- Driver, R. & Oldham, V. (1986). "A Constructivist Approach to Curriculum Development". *Studies in Science Education*, 13, 105-122.
- Duit, R. & Haeussler, P. (1994). "Learning and Teaching Energy", dalam Fensham, P. J., Gunstone, R. R. & White R. T. (Eds) (1994), *The Content of Science: A Constructivist Approach to its Teaching and Learning*. London: The Falmer Press.
- Duit, R. (1991). "On The Role of Analogi and Metaphors in Learning Science". *Science Education*, 75, 649-672.
- Dykstra, D. I., Boyle, C. F., & Monarch, I. A. (1992). "Studying Conceptual Change in Learning Physics". *Journal of Research in Science Teaching*, 76 (6), 615-652.
- Ebenezer, J. V., & Gaskell, P. J. (1995). "Relational Conceptual Change in Solution Chemistry". *Science Education*, 79 (1), 1-17.
- Eijkelhof, H. & Lijnse, P. (1992). "Experiences with Research and Development to Improve STS-Education on Radioactivity and Ionizing Radiation", dalam Yager, R. E. (Ed), (1992), *The Status of Science-Technology-Society Reform Efforts around the World*. ICASE Yearbook.
- Erickson, F. (1986). "Qualitative Methods in Research on Teaching", dalam Wittrock, M. C. (Ed), (1986), *Handbook of Research on Teaching*. New York: Macmillan Publishing Co.
- Fensham, P. J., Gunstone, R. R., & White R. T. (Eds). (1994). *The Content of Science: A Constructivist Approach to its Teaching and Learning*. London: The Falmer Press.

- Fensham, P. J., Gunstone, R. R. & White R. T. (1994). "Science content and Constructivist Views of Learning and Teaching", dalam Fensham, P. J., Gunstone, R. R. & White R. T. (Ed), (1994), *The Content of Science: A Constructivist Approach to its Teaching and Learning*. London: The Falmer Press.
- Fetherstonhough, T. & Treagust, D. F. (1992). "Students Understanding of Light and its Properties: Teaching to Engender Conceptual Change". *Journal of Research in Science Teaching*, 76 (6), 653-672.
- Finley, F., Lawrencz, F. & Heller, P. (1992). A Summary of Research in Science Education-1990. *Science Education*, 76 (3), 239-254.
- Fischer, H. E. & Aufacgnaiter, S. V. (1993). "Development of Meaning During Physics Instruction: Case Studies in View of the Paradigm of Constructivisme". *Journal of Research in Science Teaching*, 77 (2), 153-168.
- FKKS. (1989). *Pembinaan Suku Laut*. Batam: FKKS.
- Flavell, J. H., Miller, P. H., & Miller, S. A. (1993). *Cognitive Development*. New Jersey: Prentice-Hall International, Inc.
- Fox, J.J. (1993). "Bajau Voyages to the Timor Area, the Ashmore Reef and Australia". A paper persented at International Seminar on Bajau Communities, LIPI, Jakarta, 22-25 November 1993.
- Gall, M. D. (1987). "Discussion Methods", dalam Dunkin, M. J. (Ed), (1987), *The International Encyclopedia of Teaching and Teacher Education*. New York: Pergamon Press.
- Garna, J. (1995). "Seafaring and Hill Tribes: The Mesuku Orang Laut and Baduy". A Paper Persented at International Conference on Bajau/Sama Community, "Bajau-Meniti Zaman", Kota Kinabalu, Sabah, Malaysia, June, 24-28, 1995.
- (1993). "The Orang Laut of Natuna Island". A Paper Persented at International Seminar on Bajau Communities, LIPI, Jakarta, 22-25 November 1993.
- GBHN. (1993). *Pembangunan daerah Tingkat I Sulawesi Tenggara. Buku VI Rencana Pembangunan Lima Tahun Keenam*. Republik Indonesia.
- Gega, P. C. (1977). *Science in Elementary Education*. New York: John Wiley & Sons.

- Gilbert, J. K. (1991). "Educating The Science and Mathematics Teachers For All", dalam ICASE, (1991), Proceedings of The Sixth ICASE Asian Symposium dengan Tema Science, Mathematics & Technology For All: Towards A Better Society, Universiti Brunei Darussalam, Bandar Seri Begawan, 4-10 December 1989.
- Gilbert, J. K., Osborne, R. J. & Fensham, P. J. (1986). "Children's Science and It's Consequences for Teaching", dalam Brown, et al., (1986), *Exploring The Curriculum: Science in School*. Philadelphia: Open University.
- Gill, W. (1991). "The Science Frame work "Science For All": Rhetoric vs Reality", dalam ICASE, (1991), Proceedings of The Sixth ICASE Asian Symposium dengan Tema Science, Mathematics & Technology For All: Towards A Better Society, Universiti Brunei Darussalam, Bandar Seri Begawan, 4-10 December 1989.
- Ginsburg, H. & Opper, S. (1969). *Piaget's Theory of Intellectual Development*. New Jersey: Prentice-Hall, Englewood Cliffs.
- Glasson, G. E. (1989). "The Effect of Hands-On and Teacher Demonstration Laboratory Methods on Science Achievement in Relation to Reasoning Ability and Prior Knowledge". *Journal of Research in Science Teaching*, 26 (2), 121-131.
- Glasson, G. E. & Lalik, R. V. (1993). "Reinterpreting the Learning Cycle from Constructivist Social Perspective: A Qualitative Study of Teachers' Beliefs and Process". *Journal of Research in Science Teaching*, 30 (2), 187-207.
- Glynn, S. M. & Duit, R. (1995). "Learning Science Meaningfully: Constructing Conceptual Models", dalam Glynn, S. M., & Duit, R. (Eds), (1995), *Learning Science in the Schools: Research Reforming Practice*. New Jersey: Lawrence Erlbaum Associates, Publishers.
- (Eds). (1995). *Learning Science in the Schools: Research Reforming Practice*. New Jersey: Lawrence Erlbaum Associates, Publishers.
- 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.
- Goble, N. M. (1983). *Perubahan Peranan Guru*. Jakarta: Gunung Agung.
- Goetz, J. P. & LeCompte, M. D. (1984). *Ethnography and Qualitative Design in Educational Research*. Orlando, Florida USA: Academic Press, Inc.

- Gredler, M. E. B. (1994). *Belajar dan Membelajarkan*. Jakarta: Raja Grafindo Persada.
- Gregorio, L. C. (1991). "Science Technology and Society: Implications For Better Decision Making", dalam ICASE, (1991), Proceedings of The Sixth ICASE Asian Symposium dengan Tema Science, Mathematics & Technology For All: Towards A Better Society, Universiti Brunei Darussalam, Bandar Seri Begawan, 4-10 December 1989.
- Gunstone, R. F. (1994). "The Importance of Specific Science Content in the Enhancement of Metagognition", dalam Fensham, P.J., Gunstone, R.R. & White R. T. (Eds), (1994), *The Content of Science: A Constructivist Approach to its Teaching and Learning*. London: The Falmer Press.
- Hadiat. (1993). *Pendidikan Sains, teknologi, dan Masyarakat di Indonesia*. Bandung: PPPG IPA.
- (1988). *Alam Sekitar Kita 1: Ilmu Pengetahuan Alam untuk Sekolah Dasar Kelas IV*. Jakarta: Depdikbud.
- (1985). *Pendekatan, Metode, dan Model-Model Pembelajaran*. Bandung: PPPG IPA.
- Hairida. (1996). *Penguasaan Konsep dan Sikap Siswa terhadap Zat Aditif melalui Pendekatan Sains-Teknologi-Masyarakat (STM)*. Tesis pada PPS IKIP Bandung: tidak diterbitkan.
- Hausfather, S. J. (1992). "It's Time for a Conceptual Change: A flexible Approach Leads to Understanding". *Science and Children*, November/Desember 1992.
- Heath, P. A. (1992). "Organizing for STS Teaching and Learning: The Doing of STS". *Theory Into Practice*, 31 (1), 52-58.
- Hewson, M. G. A'B. (1985). "The Role of Intellectual Environment in the Origin of Conception: An Exploratory Study", dalam West, L. H. T. & Pines A. L. (1985), *Cognitive Structure and Conceptual Change*. Orlando, Florida: Academic Press, Inc.
- Hewson, P. W. & Hewson, G. A'B. (1983). "The Role of Conceptual Conflict in Conceptual Change and the Design of Science Instruction. *Instructional Science*, 13, 713-743.
- Hidayat, E. M. (1996a). "Science-Technology-Society: Pendidikan IPA Untuk Tahun 2000?" *Jurnal Pendidikan IPA No.5*
- (1996b). "Sains-Teknologi-Masyarakat". Makalah pada Seminar Literasi Sains dan Teknologi Balitbang Departemen P & K Jakarta, Agustus 1996.
- (1997). "Pendidikan Sains untuk Kelompok Multi Etnis". *Mimbar Pendidikan: Jurnal Pendidikan*, No. 1 Tahun XVI, 10-15.

- Hitchcock, G. & Hughes, D. (1992). *Research and The Teacher: A Qualitative Introduction to School-based Research*. London, New York: Routledge, Chapman and Hall, Inc.
- Holbrook, J. B. (1994). "Scientific and Technological Literacy for All - The Role of Education". *Science Education International*, 5 (3), 10-16.
- (1992). "Teaching Science the STS Way", dalam Yager, R. E. (Ed), (1992), *The Status of Science-Technology-Society Reform Efforts around the World*. ICASE Yearbook.
- (1991). "Science For All", dalam ICASE, (1991), Proceedings of The Sixth ICASE Asian Symposium dengan Tema Science, Mathematics & Technology For All: Towards A Better Society, Universiti Brunei Darussalam, Bandar Seri Begawan, 4-10 December 1989.
- Holdzkom, D. & Lutz, P. B. (Eds). (1984). *Research Within Reach: Science Education: A Research-Guided Response to the Concerns of Educators*. Washington, D.C.: National Science Teachers Association.
- Holman, J. (1986). *Science & Technology in Society: General Guide for Teachers*. Cambridge: The Association for Science Education.
- Horsley, S. L., et al. (1990). *Elementary School Science for the '90s*. Alexandria, Virginia: ASCD.
- Howe, R. W., et al. (1990). *Science Education Information Report: Trends and Issues in Science Education: Curriculum and Instruction*. Columbus: ERIC.
- Hungerford, H. R., Volk, T. L., & Ramsey, J. M. (1990). *Science-Technology-Society: Investigating and Evaluating STS Issues and Solution*. Illinois: STIPES Publishing Co.
- Hunt, A., (Ed). (1992). *SATIS 16-19: Science & Technology in Society* Cambridge: ASE.
- Hyllegard, R., Mood, D. P., & Morrow, Jr., J. R. (1996). *Interpreting Research in Sport and Exercise Science*. New York: Mosby-Year Book, Inc.
- ICASE. (1994a). *Science Educational International*, 5 (2), June 1994.
- (1994b). *Science Educational International*, 5 (3), September 1994.
- (1993). *Science Educational International*, 4 (4), June 1993.
- (1991). Proceedings of The Sixth ICASE Asian Symposium dengan Thema: Science, Mathematics & Technology For All: Towards A Better Society, Universiti Brunei Darussalam, Bandar Seri Begawan, 4-10 December 1989.

- Ihromi, T.O. (Ed). (1994). *Pokok-pokok Antropologi Budaya*. Jakarta: Gramedia.
- Inhelder, B. & Piaget, J. (1958). *The Growth of Logical Thinking From Childhood to Adolescence*. New York: Basic.
- Irawati, S. (1997). *Pembelajaran IPA Topik Batubara dengan Pendekatan Sains-Teknologi-Masyarakat (STM)*. Tesis pada PPS IKIP Bandung: tidak diterbitkan.
- Iswantari, Rifaat, M. & Febianto, I. (1989). *Sistem Kehidupan Suku Bajo Bangun di Nusa Tenggara Barat*. Karya Tulis LPIR 1987-1988, Bandung: Indah Jaya.
- Jacobson, W. J. & Bergman, A.B. (1980). *Science for Children: A Book For Teachers*. New Jersey: Prentice-Hall, Inc., Englewood Cliffs.
- Jegede, O. J. & Okebukola, P.A. (1992). "The Other Side of the Classroom Climate Coin". *Science Education International*, 3 (3), 7-9.
- Joyce, B., Weil, M., & Showers, B. (1992). *Models of Teaching*. London: Allyn and Bacon.
- Kamii, C. (1980). Teaching For Thinking and Creativity: A Piagetian Point of View, dalam Lawson, A.E., (1980), *Science Educational Information Report, AETS Yearbook the Psychology of Teaching for Thinking and Creativity*. Columbus: Ohio State University.
- Keedy, J. L. (1992). "The Interaction of Theory With Practice in a Study of Successful Principals: An Interpretative Research in Process". *Theory Into Practice*, 31 (2), 157-164.
- Kellerman, L. R. & Liu, C.-T. (1996). "Enhancing Student and Teacher Understanding of the Nature of Science Via STS", dalam Yager, R. R. (Ed). (1996), *Science/Technology/Society As Reform In Science Education*. USA: State University of New York Press, Albany.
- Klopfer, L. E. (Ed). (1988). A Summary of Research in Science Education - 1986. *Science Education*, 72 (3), USA: John Wiley & Sons, Inc.
- Krajcik, J. S. (1993). "Learning Science by Doing Science", dalam Yager, R. E. (Ed), (1993). *What Research Says to the Science Teachers, 7. The Science, Technology, Society Movement*. Wasington, DC: National Science Teachers Association.
- Kranzberg, M. (1991). "Science-Technology-Society: It's as Simple as XYZ". *Theory into Practise*, 30 (4), 234-241.
- Krugly-Smolksa, E. (1995). "Cultural Influences in Science Education". *International Journal Science Education*, 17 (1), 45-58.

- Lapian, A. B. (1992a). *Orang Laut, Bajak Laut, Raja Laut: Sejarah Kawasan Laut Sulawesi Abad XIX*. Disertasi pada PPS Universitas Gajah Mada, Yogyakarta: tidak dipublikasikan.
- (1992b). Sejarah Nusantara Sejarah Bahari. Pidato pengukuhan diucapkan pada upacara penerimaan jabatan guru besar luar biasa Fakultas Sastra Universitas Indonesia pada tanggal 4 Maret 1992.
- Lenhart, L. (1995). "The 'Alien' and The 'Familiar' Perception of Ethnicity with Regard to Inter-Ethnic Contact Between Orang Suku Laut and other Parts of the Population of the Riau Island". A Paper Presented at International Conference on Bajau/Sama Community, "Bajau-Meniti Zaman", Kota Kinabalu, Sabah, Malaysia, June 24-28, 1995.
- (1993). "Orang Suku Laut: Concepts of the Ethnic Self-The Construction of Basic and Situational Identities". A Paper Presented at International Seminar on Bajau Communities, LIPI, Jakarta, 22-25 November 1993.
- Lenton, G. M. (1991). "A Review of SATIS 16-19 National Trials". *Journal of The Association for Science Education. School Science Review* 73 (262), September 1991.
- Lincoln, Y. S. & Guba, E. G. (1985). *Naturalistic Inquiry*. London: Sage Publications, Inc.
- Liu, C. T. & Yager, R. E. (1996). "An STS Approach Accomplishes Greater Career Awareness", dalam Yager, R. E. (Ed), (1996), *Science/Technology/Society As Reform In Science Education*. USA: State University of New York Press, Albany.
- Lo, A. (1991). "Some Examples in Science-Technology-Society Teaching Ideas", dalam ICASE, (1991), Proceedings of The Sixth ICASE Asian Symposium dengan Tema *Science, Mathematics & Technology For All: Towards A Better Society*, Universiti Brunei Darussalam, Bandar Seri Begawan, 4-10 December 1989.
- Lonning, R. A. (1993). "Effect of Cooperative Learning Strategies on Student Verbal Interactions and Achievement During Conceptual Change Instruction in 10th Grade General Science". *Journal of Research in Science Teaching*, 30 (9), 1087-1101.
- Maier, H. W. (1978). *Three Theories of Child Development*. New York: Harper and Row Publishers Inc.
- Majelis Ulama Indonesia. (1993). *Air, Kebersihan dan Kesehatan Lingkungan Menurut Ajaran Islam*. Jakarta: Diterbitkan atas Kerjasama MUI, Depkes, Depag dengan UNICEF.

- Marhalim, M. (1991). *Eksistensi Masyarakat Suku Bajo di Sulawesi Selatan dan Sulawesi Tenggara*. Kendari: Yayasan Sama.
- Mariana, I. M. A. (1996). *Implikasi pendekatan STS terhadap Efek Iringan, Keterampilan Proses dan Penguasaan Konsep dalam Pembelajaran Biologi*. Tesis pada PPS IKIP . Bandung: tidak diterbitkan.
- Maton, A. (1993). "Great Strides with STS in Britain", dalam Yager, R. E. (Ed), (1993), *What Research Says to the Science Teacher, 7. The Science, Technology, Society Movement*. Wasington, DC: National Science Teachers Association.
- McComas, W. F. (1996). "The Affective Domain and STS Instruction", dalam Yager, R. R. (Ed). (1996), *Science/Technology/Society As Reform In Science Education*. USA: State University of New York Press, Albany.
- Merryfield, M. (1991). "Science Technology Society and Global Perspectives". *Journal of Educations*, xxx (4).
- Miles, M. B. & Huberman, A. M. (1992). *Analisis Data Kualitatif: Buku Sumber Tentang Metode-Metode Baru*. Jakarta: UI-Press.
- Moediono, dkk. (1981). *Teknologi Tepat Guna untuk Wanita Pedesaan*. Jakarta: Kantor Menteri Muda Urusan Peranan Wanita Bekerjasama dengan Unicef.
- Monks, dkk. (1989). *Psikologi Perkembangan: Pengantar dalam Berbagai Bagianya*. Yogyakarta: Gajah Mada University Press.
- Muhadjir, N. (1992). *Metodologi Penelitian Kualitatif*. Yogyakarta: Rake Sarasin.
- Myers, L. H. (1996). "Mastery of Basic Concepts", dalam Yager, R. R. (Ed). (1996), *Science/Technology/Society As Reform In Science Education*. USA: State University of New York Press, Albany.
- (1992). "STS and Science Concepts", dalam Yager, R. E. (Ed), (1992), *The Status of Science-Technology-Society Reform Efforts around the World*. Virginia: ICASE Yearbook.
- Nasution, S. (1995). *Berbagai Pendekatan dalam Proses Belajar dan Mengajar*. Jakarta: Bumi Aksara.
- (1992). *Metode Penelitian Naturalistik Kualitatif*. Bandung: Tarsito.
- Newman, F. & Holzman, L. (1993). *Lev Vygotsky: Revolutionary Scientist*. London and New York: Routledge.

- Nirwana. (1996). *Penggunaan Lingkungan sebagai Sumber Belajar untuk Meningkatkan Hasil Belajar IPA di Sekolah Dasar*. Tesis pada PPS IKIP Bandung: tidak diterbitkan.
- NRC. (1996). *National Science Education Standards*. Washington DC, USA: The National Academy of Science, National Academy Press.
- O'Loughlin, M. (1992). "Rethinking Science Education: Beyond Piagetian Constructivism Toward a Sociocultural Model of Teaching and Learning". *Journal of Research in science Teaching*, 29 (8), 791-820.
- O'Toole, M. (1993). "Science, Technology and Communication: Utilization depends on access". *Science Education International*, 4 (4), 21-24.
- Pabunga, D. B. (1999). *Pengajaran Makanan dan Kesehatan dengan Pendekatan Sains-Teknologi-Masyarakat*. Tesis pada PPS IKIP Bandung: tidak diterbitkan.
- Pedersen, J. E. (1993). "STS Issues: A Perspective", dalam Yager, R. E. (Ed), (1993), *What Research Says to the Science Teacher, 7. The Science, Technology, Society Movement*. Wasington, DC: National Science Teachers Association.
- (1992). "The Jurisprudential Model of Study for STS Issues", dalam Yager, R. E. (Ed), (1992), *The Status of Science-Technology-Society Reform Efforts around the World*. ICASE Yearbook.
- Pedersen, J. E. & McCurdy, D. W. (1992). "The Effect of Hands-On, Minds-On Teaching Experiences on Attitudes of Preservice Elementary Teachers". *Science Education*, 76 (2), 141-146.
- Pedretti, E. & Hodson, D. (1995). "From Rhetoric to Action: Implementing STS Education Through Action Research". *Journal of Research in Science Teaching*, 32 (5), 463-485.
- Penick, J. E. (1996). "Creativity and the Value of Questions in STS", dalam Yager, R. R. (Ed). (1996), *Science/Technology/Society As Reform In Science Education*. USA: State University of New York Press, Albany.
- (1992). "STS Instruction Enhances Student Creativity", dalam Yager, R. E. (Ed), (1992), *The Status of Science-Technology-Society Reform Efforts around the World*. Virginia: ICASE Yearbook.
- Phillips, J. L. Jr. (1981). *Piaget Theory: A Primer*. San Francisco: H.W. Freeman and Co.
- (1969). *The Original of Intellect, Piaget Theory*. USA: H.W. Freeman and Co.

- Piaget, J. (1952). *The Origins of Intelligence in Children*. Translate by Margaret Coak. New York: International University Press.
- Piaget, J. & Inhelder, B. (1969). *The Early Growth of Logic in the Child*. New York: W.W. Norton & Co., Inc.
- Pintrich, P. R., Marx, R. W. & Boyle, R. A. (1993). "Beyond Cold Conceptual Change: The Role of Motivational Belief and Classroom Contextual Factors in The Process of Conceptual Change". *Review of Educational Research*, 63, 167-199.
- Poedjiadi, A. (1996). "Upaya Pendidikan dalam Mengembangkan Literasi Sains dan Teknologi bagi Masyarakat". Makalah pada seminar Sains, Teknologi, dan Masyarakat, PPS IKIP Bandung, 10 Juni 1996.
- (1994). "Konsep STS dan Pengembangannya Berdasarkan Kurikulum Sekolah". Makalah pada seminar dan lokakarya science, technology, and society di PPPG IPA, Bandung, 11-21 Januari 1994.
- Poespoprodjo, W. & Gilarso, T. (1987). *Logika Ilmu Menalar: Dasar-dasar Berpikir Logis, Kritis, Analitis, Dialektis, Mandiri dan Tertib*. Bandung: Ramaja Karya.
- PPPG IPA. (1992). *Laporan Uji Coba STM (Sains, Teknologi, Masyarakat) di 6 SMA Negeri*. Bandung: PPPG IPA.
- Prayekti. (1997). *Pembelajaran Pesawat Sederhana di Sekolah Dasar untuk Meningkatkan Pemahaman Konsep, Sikap dan Kreativitas Siswa Sekolah Dasar*. Tesis pada PPS IKIP Bandung: tidak diterbitkan.
- Rachman, A. M. A. (1993). "Tribal Information Capture and Environmental Knowledge". A Paper Presented at International Seminar on Bajau Communities, LIPI, Jakarta, 22-25 November 1993.
- Rianto, Y. (1998). *Pengembangan Model Pembelajaran Modularized Applied Approach dalam Implementasi Kurikulum PSG di Sekolah Menengah Kejuruan*. Disertasi pada PPS IKIP Bandung: tidak diterbitkan.
- Rossmann, A. D. (1993). "Managing Hands-on Inquiry". *Science and Children*, September 1993.
- Roth, W. M. & Roychoudury, A. (1993). "The Development of Science Process Skill in Autentic Contexts". *Journal of Research in Science Teaching*, 30, 127-152.
- Russel, J. D. (1979). *Modular Instruction: A Guide to the Design, Utilization and Evaluation of Moduler Material*.
- Rutherford, F. J. & Ahlgren, A. (1990). *Science For All Americans*. New York: Oxford University Press.

- Sanusi, A. (1990). *Beberapa Dimensi Mutu Pendidikan*. Bandung: PPS IKIP Bandung.
- Sather, C. (1995). "The Ideology and Politics of Setting Down: The Bajau Laut of Semporna". A Paper Presented at International Conference on Bajau/Sama Community, "Bajau-Meniti Zaman", Kota Kinabalu, Sabah, Malaysia, June, 24-28, 1995.
- (1993). "Ethnicity and Political History: The Bajau Laut Community of Southeaster Sabah Malaysia". A Paper Presented at International Seminar on Bajau Communities, LIPI, Jakarta, 22-25 November 1993.
- Shepardson, D. P., *et al.* (1994). "The Impact a Science Demonstration on Childre's Understanding of Air Pressure". *Journal of Research in Science Teaching*, 31 (3), 243-258.
- Shepardson, D. P. & Moje, E.B. (1994). "The Natute of Fourth Garaders' Understanding of Electric Circuits". *Journal of Science Education*, 78 (5), 489-514.
- Smith, J. K. (1992). "Interpretive Inquiry: A Practical and Moral Activity". *Theory Into Practice*, 31 (2), 100-106.
- Smith, *et al.* (1993). "Teaching Strategies Associated with Conceptual Change Learning in Science". *Journal of Research in Science Teaching*, 30 (2), 111-126.
- Solomon, J. (1993). *Developing Science and Technology Education: Teaching Science, Technology and Society*. Buckingham: Open University Press.
- (1992). *Science & Technology in Society (SATIS 16-19): What is Thecnology?* London: The Association for Science Education.
- Sopher, D. E. (1977). *The Sea Nomads: A Study of the Maritime Boat People of South-East Asia*. Singapore: National Museum.
- Soprovich, W. (1993). "STS-Environment-Problem Solving". *Science Education International*, 4 (1), 27-30.
- Spillet, P. G. (1993). "A Race apart: Notes on The Sama Bajo People of Sulawesi, Nusa Tenggara and Northern Sulawesi". A Paper Presented at International Seminar on Bajau Communities, LIPI, Jakarta, 22-25 November 1993.
- Stacey, N. (1993). "Material Culture of Shark Fishing: Bajo Fishers from The Tukang Besi Island, Southeast Sulawesi, Eastern Indonesia". A Paper Presented at International Seminar on Bajau Communities, LIPI, Jakarta, 22-25 November 1993.
- Strike, K. A. & Psner, G. J. (1985). "A Conceptual Change View of Learning and Understanding", dalam West, L. H. T. & Pines, A. L. (1985), *Cognitive Structure and Conceptual Change*. Orlando, Florida: Academic Press, Inc.

- Suherman, E. & Winataputra, U. S. (1992/1993). *Materi Pokok Strategi Belajar Mengajar Matematika*, Modul 1-9. Jakarta: Depdikbud Dirjen Dikdasmen Bagian Proyek Penataran Guru SLTP Setara D-III.
- Sukarno, dkk. (1981). *Dasar-dasar Pendidikan Science*. Jakarta: Bhratara.
- Sumaji, dkk. (1998). *Pendidikan Sains Yang Humanistis*. Universitas Sanata Dharma, Yogyakarta: Kanisius.
- Suparno, P., (1997), *Filsafat Konstruktivisme Dalam Pendidikan*. Yogyakarta: Kanisius.
- Suriati. (1996). Keterampilan Proses IPA Siswa dengan Menggunakan Lingkungan dalam Pembelajaran IPA di Sekolah Dasar. *Tesis*. Bandung: PPS IKIP Bandung, tidak diterbitkan.
- Sutrasno, T. & Bishry, R. M. (1994). "Hubungan Perkembangan Teknologi dan Kurikulum Yang Berlaku". Makalah pada seminar dan lokakarya science, technology, and society di PPPG IPA Bandung, 11-21 Januari 1994.
- Tasman. (1995). *Integrasi Sosial Masyarakat Terasing ke dalam Sistem Nasional Indonesia melalui Program Pembinaan Kesejahteraan Sosial Masyarakat Terasing (PKSMT) (Studi pada Masyarakat Suku Bajo di Daerah Tingkat II Kabupaten Kendari)*. Tesis pada PPS UI, Jakarta: tidak diterbitkan.
- Tendencia, C.P. (1991). "The Good Primary Science Teacher: What Some Bruneian School Children Say", dalam ICASE, (1991), Proceedings of The Sixth ICASE Asian Symposium dengan Tema *Science, Mathematics & Technology For All: Towards A Better Society*, Universiti Brunei Darussalam, Bandar Seri Begawan, 4-10 December 1989.
- Teo, S. S. (1989). *The Life-Style of The Badjaos: A Study in Education and Culture*. Manila: Centro Escolar University Research and Development Center.
- Tomasini, et al. (1993). "Understanding Conservation Laws in Mechanics: Student's Conceptual Change in Learning about Collisions". *Journal of Research in Science Teaching*, 77 (2), 169-189.
- Trowbridge, L. W. & Bybee, R. W. (1990). *Becoming A Secondary School Science Teacher*. Columbus: Merrill Publishing Co., A Bell & Howell Information Co.

- UNESCO. (1993). *International Forum on Scientific and Technological Literacy for All: Project 2000+*. Paris, 5-10 July 1993 (Final Report).
- (1991). *Teacher Training for Science and Technology Education Reform*. Bangkok: Unesco-PROAP.
- Varrella, G. F. (1996). "Using What Has Been Learned: The Application Domain in an STS-Constructivist Setting", dalam Yager, R. R. (Ed). (1996), *Science/Technology/Society As Reform In Science Education*. USA: State University of New York Press, Albany.
- (1992). "Greater Ability to Apply Concepts Using An Science/Technology/Society Approach to Teaching Science", dalam Yager, R. E. (Ed), (1992), *The Status of Science-Technology-Society Reform Efforts around the World*. Virginia: ICASE Yearbook.
- Velthoen, E. & Acciaioli, G. L. (1993). "Fluctuating States, Mobile Populations: Shifting Relations of Bajo to Local Rulers and Bugis Traders in Colonial Eastern Sulawesi. A Paper Presented at International Seminar on Bajau Communities, LIPI, Jakarta, 22-25 November 1993.
- Villani, A. (1992). "Conceptual Change in Science and Science Education". *Science Education*, 76 (2), 223-237.
- Waks, L. J. (1992). "The Responsibility Spiral: A Curriculum Framework for STS Education". *Theory Into Practice*, 31 (1), 13-19.
- Warren, J. F. (1995). "Looking Back on "The Sulu Zone": State Formation and Ethnic Diversity in Southeast Asia". A Paper Presented at International Conference on Bajau/Sama Community, "Bajau-Meniti Zaman", Kota Kinabalu, Sabah, Malaysia, June, 24-28, 1995.
- Wartono. (1996). *Pengembangan Model Pembelajaran Inkuiri Akrab Lingkungan untuk Mengembangkan Keterampilan Berpikir dan Meningkatkan Prestasi Belajar Siswa dalam Bidang Studi Sains di Sekolah Dasar*. Disertasi pada PPS IKIP Bandung: tidak diterbitkan.
- Wheatley, G. H. (1991). "Constructivist Perspectives on Science and Mathematics Learning". *Science Education*, 75 (1): 9-21.
- Widiasih. (1997). *Penggunaan Alat Sederhana dari Lingkungan Sekitar sebagai Sumber Belajar IPA dalam Pembelajaran Konsep Udara*. Tesis pada PPS IKIP Bandung: tidak diterbitkan.
- Wilson, B. (1981). *Cultural Contexts of Science and Mathematics Education*. England: Centre for Studies in Science Education.

- Wolfolk, A. E. & Nocolich, L.M. (1980). *Educational Psychology for Teachers*. New Jersey: Prentice-Hall, Englewood Cliffs.
- Worell, J. & Stilwell, W. E. (1980). *Psychology for Teachers and Students*. New York: McGraw-Hill, Inc., Book, Co.
- Yager, R. E. (1996a). "Science/Technology/Society Providing Useful and Appropriate Science For All". A Paper Presented at the Seminar on Science-Technology-Society, Organizer by Indonesian Association for Science Education and the Graduate School of IKIP Bandung, June 10, 1996.
- (1996b). "Science/Technology/Society Providing Useful and Appropriate Science For All". *Khazanah Pengajaran IPA: Majalah Pendidikan Ilmu Pengetahuan Alam*, 1 (2), 1-9.
- (Ed). (1996c), *Science/Technology/Society As Reform In Science Education*. USA: State University of New York Press, Albany.
- (1995). "Constructivism and the Learning of Science", dalam Glynn, S. M., & Duit, R., (Eds), (1995), *Learning Science in the Schools: Research Reforming Practice*. New Jersey: Lawrence Erlbaum Associates, Publishers.
- (1993a). "Constructivism and Science Education Reform". *Science Education International*, 4 (1), 13-14.
- (Ed). (1993b). *What Research Says to the Science Teacher, 7. The Science, Technology, Society Movement*. Wasington, DC: National Science Teachers Association.
- (1993c). "Science-Technology-Society As Reform". *School Science and Mathematics*, 93 (3), 145-151.
- (Ed). (1992a). *The Status of Science-Technology-Society Reform Efforts around the World*. Virginia: ICASE Yearbook.
- (1992b). "Science-Technology-Society as Reform, dalam Yager, R. E. (Ed), (1992), *The Status of Science-Technology-Society Reform Efforts around the World*. Virginia: ICASE Yearbook.
- (1992c). "The Constructivist Learning Model: A Must for STS Classrooms", dalam Yager, R. E. (Ed), (1992), *The Status of Science-Technology-Society Reform Efforts around the World*. ICASE Yearbook.
- (1991). "The Constructivist Learning Model: Towards Real Reform in Science Education". *The Science Teacher*, 1991, 52-57.

- Yager, R. E. & Roy, R. (1993). "STS: Most Perasive and Most Radical of Reform Approaches to "Science" Education", dalam Yager, R. E. (Ed), (1993), *What Research Says to the Science Teacher, 7. The Science, Technology, Society Movement*. Wasington, DC: National Science Teachers Association.
- Yore, L. D. (1991). "Secondary Science Teachers' Attitudes Toward and Belief About Science Reading and Science Textbooks". *Journal of Research in Science Teaching*, 28, 55-72.
- Yunus, F. (1996). *Pengembangan Literasi Sains dan Teknologi melalui Pendekatan Sains-Teknologi-Masyarakat dalam Pembelajaran IPA dengan Topik Peningkatan Produksi Pangan di SLTP Aceh Besar*. Tesis pada PPS IKIP Bandung: tidak diterbitkan.
- Zacot, F. (1979). "Badjo atau Bukan Badjo". *Prisma*, No.2, 38-49. Jakarta: LP3ES.
- (1978). "To be or not to be Badjo: This is Our Question". *Prisma*, No.10. Jakarta: LP3ES.
- Zaharlick, A. (1992). "Ethnography in Antropology and Its Value for Education". *Theory Into Practice*, 31 (2), 116-125.
- Zen, M. (1993). *Dinamika Pendidikan "Orang Laut" Sebagai Suatu Profil Operasionalisasi Pendidikan Nasional*. Disertasi pada PPS IKIP Bandung: tidak diterbitkan.
- Zoller, U. & Ben-Chaim, D. (1994). "Views of Prospective Teachers Versus Practising Teachers about Science, Technology and Society Issues". *Research in Science & Technological Education*, 12 (1), 77-89.
- Zuzovsky, R. & Tamir, P. (1989). "Home and School Contributions to Science Achievement in Elementary Schools in Israel". *Journal of Research in Science Teaching*, 26 (8), 703-714.