DAFTAR PUSTAKA

AAAS Commission on Science Education, Science Process Instrument, Experimental Education, AAAS, Washington, D.C., 1970

AAAS, Science- A Process Approach, Commentary for Teachers, Miscellaneous Publication, Washington, D.C., 1965

Allen, D.W., et al., Questioning Skills, Teacher's Manual, General Learning Corporation, Canada, 1969

APU, Science at Age 11, Chelsea College, University of London, 1982

Ausubel, D.P., and Robinson, F.G., School Learning, Holt, Rinehart and Winston, Inc., N.Y., 1969

Beard, J., "The development of group achievement tests for two basic processes of AAAS science-A process approach," Journal of Research in Science Teaching, 8(7): 179 - 183 (1971)

Blake, A.J.D., "The case for science in the primary curriculum: Will the true progressivism please stand up," The Australian Science Teachers Journal, 23(3): 13 - 18 (1977)

Bloom, B. S., Taxonomy of Educational Objectives Cognitive Domain, David McKay Company, Inc., N.Y., 1956

Bogdan, R.C., and Biklen, S.K., Qualitative Research for Education: An Introduction to Theory and Methods, Allyn and Bacon, Inc., Boston, 1982

Bredderman, T., "Activity science, the evidence shows it matters," Science and Children, Sep. 1982: 39 - 41

Brock, W.h., H.E. Amstrong and the Teaching of Science, Cambridge University Press, Cambridge, 1973

Brown, C., et al., Exploring Primary Science 7 - 11, Cambridge University Press, Cambridge, 1981

Brown, H.I., Perception, Theory and Commitment: The

New Philosophy of Science, Jniversity of Chicago Press, Chicago, 1977

Bruner, J., "The act of discovery," Harvard Educational Review 31, Winter 1961: 21-32

Bruner, J., The Process of Education, Harvard University Press, Massachusetts, 1977

Butts, D.P., "The evaluation of problem solving in science," Journal of Research in Science Teaching, 2: 116 - 122 (1964)

Carin, A.A., and Sund, R.B., Teaching Science through Discovery, Charles E.Merrill Publishing Company, Columbus, 1980

Chalmers, A.F., What is This Thing called Science? The Open University Press, Milton Keynes, England, 1980

Departemen Pendidikan dan Kebudayaan Republik Indonesia, Kurikulum Sekolah Dasar 1975, Garis-garis Besar Program Pengajaran, Buku II F, Bidang Studi Ilmu Pengetahuan Alam, Departemen Pendidikan dan Kebudayaan Republik Indonesia, Jakarta, 1976

Departemen Pendidikan dan Kebudayaan Republik Indonesia, Kurikulum Sekolah Dasar 1975, Ketentuan-ketentuan Pokok, Buku I, Departemen Pendidikan dan Kebudayaan Republik Indonesia, Jakarta, 1976

Departemen Pendidikan dan Kebudayaan Republik Indonesia, Kurikulum Sekolah Pendidikan Guru (SPG), Ketentuan-ketentuan Pokok dan Garis-garis besar Program Pengajaran, Departemen Pendidikan dan Kebudayaan Republik Indonesia, Jakarta, 1976

Departemen Pendidikan dan Kebudayaan, Laporan Tahap I Hasil Evaluasi Kurikulum Sekolah Dasar Tahun 1975, Departemen Pendidikan dan Kebudayaan, Jakarta, 1983

Departemen Pendidikan dan Kebudayaan Republik Indonesia, Manusia dan Alam Sekitarnya, Jilid 1, Departemen Pendidikan dan Kebudayaan Republik Indonesia, Jakarta, 1980

Departemen Pendidikan dan Kebudayaan Republik Indonesia, Manusia dan Alam Sekitarnya, Jilid 2. Departemen Pendidikan dan Kebudayaan Republik Indonesia, Jakarta, 1979

Departemen Pendidikan dan Kebudayaan Republik Indonesia, Manusia dan Alam Sekitarnya, Jilid 3. Departemen Pendidikan dan Kebudayaan Republik Indonesia, Jakarta, 1981

Departemen Pendidikan dan Kebudayaan Republik Indonesia, Pedoman Guru Manusia dan Alam Sekitarnya, Jilid 1, Departemen Pendidikan dan Kebudayaan Republik Indonesia, Jakarta, 1980

Departemen Pendidikan dan Kebudayaan Republik Indonesia, Pedoman Guru Manusia dan Alam Sekitarnya, Jilid 2, Departemen Pendidikan dan Kebudayaan Republik Indonesia, Jakarta, 1979

Departemen Pendidikan dan Kebudayaan Republik Indonesia, Pedoman Guru Manusia dan Alam Sekitarnya, Jilid 3, Departemen Pendidikan dan Kebudayaan Republik Indonesia, Jakarta, 1981

Departmen of Education and Science,"Science in Schools," APU Report No. 1 (1981)

Dietz, M. and George, K.D., "A test of measure problem-solving skills in science of children in grades one, two and three," Journal of Research in Science Teaching, 7(4): 341-351 (1970)

Doran, R.l., "Measuring the processes of science objectives," Science Education 62(1): 19-30 (1978)

Educational Policies Commission, The Central Purpose of American Education, National Education Association, Washington, D.C., 1961

Finley, F.N., "Science processes," Journal of Research in Science Teaching, 20(1):47-54 (1983)

Fischer, R.B., Science, Man and Society, Saunders Co. Philadelphia, 1971

Gagné, R.M., The Conditions of Learning, Holt, Rinehart and Winston, Inc. N.Y., 1977

Gagné, R.M.,"The learning requirements for inquiry," Journal of Research in Science Teaching, Vol.1: 144-153 (1963)

Gallagher, J.J.,"A broader base for science teaching", Science Education,55(3):329-338 (1971)

Glass, H. B., The Timely and the Timeless: the Interrelations of Science Education and Society, London, 1970

Good, R.G., How Children Learn Science, Macmillan Publishing Co., N.Y., 1977

Gorman, R.M., Discovering Piaget, A Guide for Teachers,Charles E. Merrill Publishing Co., Columbus, Ohio, 1972

Harlen, W., "Assessment and record keeping as part of teaching primary school science," dalam Unesco, New Trends in Primary School Education, Vol. I, Unesco, Paris, 1983

Harlen, W., "Does content matter in primary science," School Science Review, 60(209):614-625 (1978)

Harlen, W., et al., Match and Mismatch, Finding Answers, Oliver & Boyd, Edinburg, 1977

Hanson, N.R., Observation and Explanation, Harper and Row, 1971

Harmin, M., et al.,"Teaching science with a focus on values," The Science Teacher, January 1970

Hayson, J., et al., Theory into Practice, McGraw Hill Book Company, Berkshire, England, 1974

Heath, T., "Observation, Perception and Education," Eur. J. Sci. Educ., 2(2):155-160 (1980)

Hempel, C.G., Philosophy of Natural Science, Prentice-Hall Inc., Englewood Cliffs, N.Y., 1966

Huxley, T.H., Science Education, Macmillan Publishing Co., London. 1910

Jarolimek, J., et al., Teaching and Learning in the

Elementary School, Macmillan Publishing Co., N.Y., 1976

Klopfer, L.E., "Evaluation of learning in science," dalam Bloom, B.S., et al., Handbook on Formativ and Summative Evaluation of Students Learning, McGraw Hill Book Company, N.Y., 1971

Kohlberg, L. and Mayer, R.,"Development as the aim of education," Harvard Educational Review, 42(4): 449-496 (1972)

Kuslan, L.J.,and Stone, A.H., Teaching Children: An Inquiry Approach, Wadsworth Publishing Co., Belmont, Calif., 1972

Langer, J., Theories of Development, Holt, Rinehart, and Winston, N.Y., 1969

Layton, D., Science for the People, George Allen & Unwin Ltd., London (1973)

Martin, M.D., "Recent trends in the nature of curriculum programmes and materials," dalam Unesco, New Trends in Primary School Science Education, Vol. I, Unesco, Paris, 1983

McFadden, C.P., World Trends in Science Education, Atlantic Institute of Education, Halifax, Nova Scotia, Canada, 1980

Mechling, K.R., and Oliver, D.L., Handbook I, Science Teaches Basic Skills,National Science Teachers Association, Washington, D.C., 1983

Modgil, S., Piagetian Research, A Handook of Recent Studies, NFER Publishing Ltd., Windsor, Berks, 1974

Molitor, L.L., and George, K.D.,"Development of a test of science process skills," Journal of Research in Science Teaching, 13(5): 405-412 (1976)

Mugiadi, et al., Penilaian Nasional Kualitas Pendidikan di Tingkat Sekolah Dasar, Laporan Tahap I, BP3K-Departemen Pendidikan dan Kebudayaan, Jakarta, 1976

Munro, R.G., Innovation: Success or Failure?

Hodder and Stoughton Ltd., 1977

Osborne, R., et al., "An initial framework," A Working Paper of the Learning in Science Project, University of Waikato, Hamilton, New Zealand, March 1979

Plimmer, D., "Science in the primary schools: what went wrong?" The School Science Review, 62(221): 640-647(1981)

Quinn, M.E., and George, K.D., "Teaching Hypothesis Formation," Science Education, 59(3):289-296 (1975)

Raka Joni, T., Cara Belajar Siswa Aktip, Implikasinya terhadap Sistem Pengajaran, Proyek Pengembangan Pendidikan Guru, Departemen Pendidikan dan Kebudayaan, Jakarta, 1980

Renner, J.W., and Lawson, A.E., "Piagetian theory and instruction in physics," Physics Teacher, 11:165-169 (1973)

Soedijarto, Current Curriculum Development in Indonesia, an Account of the National Level of Curriculum Design and Development, Office of Educational and Cultural Research and Development, Ministry of Education and Culture, Jakarta, 1979

Soedijarto, Faktor-faktor yang Mempengaruhi Kualitas Proses Belajar dan Mutu Hasil Belajar Pelajar Kelas Terakhir Sekolah Dasar, Sekolah Pasca Sarjana, IKIP Bandung, 1981

Soedijarto, Kurikulum 1975, Latar Belakang, Proses Pengembangan Ciri-cirinya, dan Implikasi Pelaksanaannya, BP3K, Departemen Pendidikan dan Kebudayaan, Jakarta, 1976

Soeprapto, B., The Import of Science, Makalah yang disajikan dalam International Astronomy Union Conference di Lembang, 1982

Suriasumantri, J.S., Ilmu dalam Perspektif, Penerbit PT. Gramedia, Jakarta, 1983

Sund, R.B., and Trowbridge, L.W., Teaching Science by Inquiry in the Secondary School, Charles E. Merrill Publishing Co., Columbus, Ohio, 1973

Tannenbaum, R.S., "The development of the test of science processes," Journal of Research in Science Teaching, 8(2):123-136 (1971)

Tawney, D., Curriculum Evaluation Today: Trends and Implications, Macmillan Education Ltd., London, 1976

Tim BP3K, Indonesian Primary Schools A Study In-Depth, BP3K, Departemen Pendidikan dan Kebudayaan, Jakarta, 1979

Thier, H.D., Teaching Elementary School Science, a Laboratory Approach, D.C. Heath and Co., Lexington, Massachusetts, 1970

Tobin, K.G., and Capie, W., "Teaching process skills in the Middle School," School Science and Math., 80(7):590-600 (1980)

Tobin, K.G., and Capie, W., "Lessons with an emphasis on process skills," Science and Children, Mar. 1982 : 26-28

Tyler, R.W., Basic Principles of Curriculum and Instruction, University of Chicago Press, 1949

Unesco, International Congress on Science and Technology Education and National Development, Report, Unesco, Paris,1981

Unesco, Meeting Experts on the Incorporation of Science and Technology in the Primary School Curriculum, Final Report, Unesco, Paris, 1980

Unesco, Sixth International Conference on Chemical Education, Proceedings, University of Maryland, College Park, Maryland, USA, 1981.

Unicef, Regional Experts Meeting on Primary School Science Education, Final Report, Unicef, Seoul, 1980

Wahl, a., "The values of clarification approach," The Australian Science Teachers Journal, 26(2): 13-18(1980)

Walbesser, H.H.,and Carter, H.L., "The effects on te test results of changes task and response format required by altering the test administration from an individual to a group form, " Journal

of Research in Science Teaching, 7(1):1-8 (1970)

Wallace, C., ERIE Science Process Test, Eastern Regional Institute for Education, Syracuse, N.Y., 1969

Waring, M., Social Pressures and Curriculum Innovation, Methuen & Co. Ltd., London, 1975

Warren, K., "Primary science education with local resources in Asia," Quarterly Review of Education, VIII(1):93-98 (1978)

Weinberg, A.M., "The two faces of science," Journal of Chemical Education, 45(2):74-77 (1968)

Wood, D.A.,"The Piaget-Process Matrix," School Science and Mathematics, 74(5):407-412

Yager, R.E.,"Priorities for research in science education, A study Committee report," Journal of Research in Science Teaching, 15(2):99-107 (1978)

Yeany, R.H., and Capie, W., "An analysis system for describing and measuring strategies of teaching data manipulation and interpretation," Science Education, 63(3):355-361 (1979)

Yoong, C.S., "Some developments and trends in science education and science teacher education in the Asean countries, A viewpoint ," dalam McFadden, C.P., World Trends in Science Education, Atlantic Institute of Education, Halifax, Nova Scotia, Canada, 1980

Young, B.L., Teaching Primary Science, Longman Group Ltd., HongKong, 1979

Zen, M.T., Sains, Teknologi dan Hari Depan Manusia, Penerbit PT Gramedia, Jakarta, 1981