

REFERENCES

- Agness Voo (1996). " *Kesepaduan Dalam Pengajaran Dan Pembelajaran Matematik KBSM* ". Papers presented at National Evaluation Seminar KBSM (*Seminar Kebangsaan Penilaian KBSM*).
- Aldridge, J. M. & Fraser, B. J. (2000). A cross-cultural study of classroom learning environments in Australia and Taiwan. *Learning Environment Research: An International Journal*, 3, 101-134.
- Aldridge, J. M., Fraser, B. J., & Huang, I. T.C. (1999). Investigating classroom environments in Taiwan and Australia with multiple research methods. *Journal of Educational Research*, 93, 48-62.
- Amir Salleh (1996). " *Ringkasan Laporan Kajian Penilaian KBSM: Survey Sekolah (Fasa II)* ". Papers presented at National Evaluation Seminar KBSM (*Seminar Kebangsaan Penilaian KBSM*).
- Anderson, G. J. & Walberg, H. J. (1968). Classroom climate and group learning. *International Journal of Educational Sciences*, 2, 175-180.
- Bahagian Perancangan & Penyelidikan Dasar Pendidikan (1996). *Kajian Penilaian Perlaksanaan Program KBSM Di Peringkat Menengah Rendah*. Papers presented at National Evaluation Seminar KBSM (Seminar Kebangsaan Penilaian KBSM).
- Bloom, B.S. (1964). *Stability and Change in human characteristics*, New York: Wiley.
- Cheung, K.C. (1993). The learning environment and its effects on learning: Product and process modeling for science achievement at the sixth form level in Hong Kong. *School Effectiveness and School Improvement*, 4, 242-264. in Fraser (1998a) *Science Learning environments. Assessment, effects and determinants*. Retrieved January 9, 2004, from: <http://www.aare.edu.au/01pap/maj01681htm>
- Chionh, Y. H., & Fraser, B. J. (1998, April). Validation and use of the 'What is Happening in this Class' (WIHIC) questionnaire in Singapore. Paper presented at the annual meeting of the American Educational Research Association, San Diego, CA.
- Coakes J.C & Steed L.G., 2001 *SPSS Analysis without Anguish: version 10.0 for Windows*. Jon Wiley & sons Australia .Ltd
- Fatimah Salleh (1996). " *Skim Penyelesaian Masalah Bagi Guru Matematik KBSM* ". Papers presented at National Evaluation Seminar KBSM (Seminar Kebangsaan Penilaian KBSM). KPM: IAB.

- Ferguson, P.D. & Fraser, B.J.: 1996, 'School Size, Gender, and Changes in Learning Environment Perceptions During the Transition from Elementary to High School', Paper presented at the annual meeting of the American Educational Research Association, New York.
- Fisher, D., Henderson, D. & Fraser, B.: 1997, 'Laboratory Environments & Student Outcomes in Senior High School Biology', *American Biology Teacher* 59, 214—21 in Fraser (1998a) Science Learning environments. *Assessment, effects and determinants*. Retrieved January 9, 2004, from: <http://www.aare.edu.au/01pap/maj01681htm>
- Fisher, D.L., Fraser, B.J. & Rickards, T.: 1997, 'Gender and Cultural Differences in Teacher-Student Interpersonal Behavior', Paper presented at the annual meeting of the American Educational Research Association, Chicago, IL. in Fraser (1998a) Science Learning environments. *Assessment, effects and determinants*. Retrieved January 9, 2004, from: <http://www.aare.edu.au/01pap/maj01681htm>
- Franke.M.L., & Carey, D.A. (1997). Young Children's Perception of Mathematics in Problem- Solving Environments. *Journal for Research in Mathematics Education*. 28(1), 8-25
- Fraser B. J. (1994). Research on classroom and school climate. In D. Gabel (Ed.), *Handbook of research on science teaching and learning* (pp. 493-541). New York: Macmillan.
- Fraser B. J. (1998a). *Science Learning environments. Assessment, effects and determinants*. Retrieved January 9, 2004, from: <http://www.aare.edu.au/01pap/maj01681htm>
- Fraser B. J. (1998b). Classroom environment instruments: Development, validity and applications. *Learning Environments Research: An International Journal*, 1, 7-33.
- Fraser B. J., Fisher, D. L. & McRobbie, C. J. (1996, April). *Development, validation and use of personal and class forms of a new classroom environment instrument*. Paper presented at the annual meeting of the American Educational Research Association, New York.
- Fraser, B. J. & McRobbie, C. J. (1993). Association between student outcomes and psychosocial science environment. *Journal of Educational Research*, 87, 78-85.
- Fraser, B. J. & Tobin, K. (1991). Combining qualitative and quantitative methods in classroom environment research. In B. J. Fraser & H. J. Walberg (Eds.), *Educational environments: Evaluation, antecedents and consequences* (pp. 271-292). London: Pergamon.

- Fraser, B. J. & Walberg, H. J. (Eds.). (1991). *Educational environments: Evaluation, antecedents, and consequences*. Oxford, England: Pergamon Press.
- Fraser, B. J. (1986). *Classroom environment*. London: Croom Helm.
- Fraser, B. J., Giddings, G. J. & McRobbie, C. J. (1992). Assessing the climate of science laboratory classes (What Research Says to Science and Mathematics Teachers, No. 8). Perth, Western Australia: National Key Centre for School Science and Mathematics, Curtin University of Technology.
- Fraser, B.J. & Fisher, D.L.: 1982, 'Predicting Students' Outcomes from Their Perceptions of Classroom Psychosocial Environment', *American Educational Research Journal* 19, 498--518.
- Fraser, B.J. & Fisher, D.L.: 1983a, 'Development and Validation of Short Forms of Some Instruments Measuring Student Perceptions of Actual and Preferred Classroom Learning Environment', *Science Education* 67, 115--131.
- Fraser, B.J. & McRobbie, C.J.: 1995, 'Science Laboratory Classroom Environments at Schools and Universities: A Cross-National Study', *Educational Research and Evaluation* 1, 289--317.
- Fraser, B.J., & Fisher, D.L. (1982). Predicting students' outcomes from their perceptions of classroom psychosocial environment. *American Educational Research Journal* 1, 19, 498-518.
- Fraser, B.J., McRobbie, C.J. & Giddings, G.J.: 1993, 'Development and Cross-National Validation of a Laboratory Classroom Environment Instrument for Senior High School Science', *Science Education* 77, 1--24.
- Fraser, B. J., Giddings, G. J., & McRobbie, C. J. (1995). Evolution and validation of personal form of instrument for assessing science laboratory classroom environments. *Journal of Research in Science Teaching*.
- Garafalo, J. (1989). Beliefs and their influence on mathematical performance. *Mathematics Teacher*. (82,502-505)
- Gay, L.R. (1986) *Educational Evaluation and Measurement*, 2nd Edition. Bell & Howell, Columbus.
- Goh, S. C., Young, D. J. & Fraser, B. J. (1995). Psychosocial climate and student outcomes in elementary mathematics classrooms: A multilevel analysis. *Journal of Experimental Education*, 64, 29-40.

- Haertel, G.D., Walberg, H.J. & Haertel, E.H.: 1981, 'Socio-Psychological Environments and Learning: A Quantitative Synthesis', *British Educational Research Journal* 7, 27--36.
- Huang, I. & Fraser, B.J.: 1997, 'The Development of a Questionnaire for Assessing Student Perceptions of Classroom Climate in Taiwan and Australia', Paper presented at the annual meeting of the National Association for Research in Science Teaching, Chicago, IL. Retrieved January 9, 2004, from: <http://www.aare.edu.au/01pap/maj01681htm>
- Jegede, O.J., Fraser, B.J. & Okebukola, P.A.: 1994, 'Altering Socio-Cultural Beliefs Hindering the Learning of Science', *Instructional Science* 22, 137--152.
- Kerlinger, F. (1970). *Behavioural research a conceptual approach*. New York: Holt, Reinhart & Winston
- Lau, C.F. (1997). Form Two student's perception of science laboratory environment: Its relationship with science achievement, attitude towards science and gender. Unpublished Thesis. University of Malaya.
- Lewin, K. (1936). Principles of topological psychology. New York: McGraw. In Fraser (1998a) Science Learning environments. *Assessment, effects and determinants*. Retrieved January 9, 2004, from: <http://www.aare.edu.au/01pap/maj01681htm>
- Lorsbach, A., & Tobin, K. (1995). Toward a critical approach to the study of learning environments in science classrooms. *Research in Science Education*, 25(1), 19-32.
- Majeed, Fraser, B.J. & Aldridge, J.M. (2001). Junior Secondary Mathematics Student's Learning Environment and satisfaction in Brunei Darussalam. Curtin University Of Tecnology. Retrieved: <http://www.aare.edu.au/01pap/maj01681.htm> (9 January 2004)
- Margianti, E. S. & Fraser, B. J. (2001, January). Learning environment, mathematical ability and students' outcomes in university computing courses in Indonesia. Curtin University Of Technology
- McRobbie, C. J. & Ellett, C. D. (Guest Eds.). (1997). Advances in research on educational learning environments. *International Journal of Educational Research*, 27(4). (whole issue)
- Moos, R. H. & Houts, P. S. (1968). Assessment of the social atmospheres of psychiatric wards. *Journal of Abnormal Psychology*, 73, 595-604. in Fraser (1998a) Science Learning environments. *Assessment, effects and determinants*. Retrieved January 9, 2004, from: <http://www.aare.edu.au/01pap/maj01681htm>
- Moos, R. H. (1973). Conceptualizations of human environments. *American Psychologist*, 28, 652-665.

- Moos, R. H. (1979). Evaluating educational environments: Procedures, measures, findings and policy implications. San Francisco: Jossey-Bass. In Fraser (1998a) Science Learning environments. *Assessment, effects and determinants*. Retrieved January 9, 2004, from: <http://www.aare.edu.au/01pap/maj01681.htm>
- Moos, R.H. & Trickett, E.J.: 1987, Classroom Environment Scale Manual (second edition), Consulting Psychologists Press, Palo Alto, CA.
- Ng, S. N. (1992). *Pengukuran dan Penilaian dalam pendidikan* (2nd ed.). Kuala Lumpur. Penerbitan Fajar Bakti Sdn Bhd.
- Raja Sulaiman Raja Hassan (1996). " Makmal Matematik: Konsep Dan Perlaksanaannya Dalam Matematik KBSM ". Papers presented at National Evaluation Seminar KBSM (Seminar Kebangsaan Penilaian KBSM). KPM: IAB.
- Rawnsley, D. G. (1997). Associations between classroom learning environments, teacher interpersonal behaviour and student outcomes in secondary mathematics classrooms. Curtin University of Technology
- Riah, H., Fraser, B.J. & Rickards, T.: 1997, 'Interpersonal Teacher Behaviour in Chemistry Classes in Brunei Darussalam's Secondary Schools', Paper presented at the International Seminar on Innovations in Science and Mathematics Curricula, Bandar Seri Begawan, Brunei Darussalam.
- Rosenshine, B (1970). Evaluation of Classroom Instruction. *Review of Educational Research*, 40,279-300
- Saw Kian Swa (1996). Kelemahan Pelajar Tingkatan Empat Kemanusiaan Dalam Matematik. Papers presented at National Evaluation Seminar KBSM (Seminar Kebangsaan Penilaian KBSM). KPM: IAB.
- Selva R.S. Students Perceptions of Actual and Preferred Chemistry Laboratory Environment in Form Four Science Classes. 1997 Unpublished Thesis. University of Malaya
- Teh, G., & Fraser, B. J. (1994). An evaluation of computer-assisted learning in terms of achievement, attitudes and classroom environment. *Evaluation and Research in Education*, 8, 147-161.
- Teh, G., & Fraser, B. J. (1995). Development and validation of an instrument for assessing the psychosocial environment of computer-assisted learning classrooms. *Journal of Educational Computing Research*, 12, 177-193.
- Teh, G., & Fraser, B. J. (1995b). Associations between student outcomes and geography classroom environment. *International Research in Geographical and Environmental Education*, 4(1), 3-18.

- Teh, G., & Fraser, B.J. (1993). A study of computer assisted learning environments in Singapore. In D.L Fisher (Ed.), *The study of learning environments*, Volume 7. Perth, Australia: Curtin University of technology
- Tengku Zawawi Tengku Zainal (1997). Tahap kefahaman konsep pecahan di kalangan guru pelatih KPLI. Kajian Sarjana (Tidak diterbitkan).
- Walberg, H. J. (1976). The psychology of learning environments: Behavioral, structural, or perceptual? *Review of Research in Education*, 4, 142-178.
- Walberg, H. J. (1991). Improving school science in advanced and developing countries. *Review of Educational Research*, 61, 25-69.
- Walberg, H. J. (Ed.). (1979). Educational environments and effects: Evaluation, policy and productivity. Berkeley, CA: McCutchan. In Fraser (1998a) Science Learning environments. *Assessment, effects and determinants*. Retrieved January 9, 2004, from: <http://www.aare.edu.au/01pap/maj01681htm>
- Walberg, H.J. (1969). Social environment as a mediator of classroom learning. *Journal of educational psychology*, 60 (6), 443-448
- Weiner, B. (1986). Attribution theory (B. Weiner) retrieved on 10 July, 2004 from <http://tip.psychology.org/weiner.html>
- Wong, A. F. & Fraser, B. J. (1996). Environment-attitude associations in the chemistry laboratory classroom. *Research in Science and Technological Education*, 14, 1, 92-102.
- Wong, N. Y. (1996). Students' perceptions of the mathematics classroom in Hong Kong. *Hiroshima Journal of Mathematics Education*, 4, 89-107.
- Wong, N.Y. & Watkins, D.: 1996, 'Self-Monitoring as a Mediator of Person-Environment Fit: An Investigation of Hong Kong Mathematics Classroom Environments', *British Journal of Educational Psychology* 66, 223--229.
- Wong, N.Y.1993). 'The Psychosocial Environment in the Hong Kong Mathematics Classroom', *Journal of Mathematical Behavior* 12, 303—309
- Waxman, H.C., Huang, S.Y. & Wang, M.C.: 1996, 'Investigating the Multilevel Classroom Learning Environments of Resilient and Non-Resilient Students from Inner-City Elementary Schools', Paper presented at the annual meeting of the American Educational Research Association, New York. In Fraser (1998a) Science Learning environments. *Assessment, effects and determinants*. Retrieved January 9, 2004, from: <http://www.aare.edu.au/01pap/maj01681htm>