DAFTAR PUSTAKA

- Abraham, M. R., Williamson, V. M., Westbrook, S. L. (1994). A cross-Age Study of the Understanding of Five Chemistry Concepts. *Journal of Research in Science Teaching*, **31** (2), hlm. 147-165.
- Adams, W. K., Wieman, C. E. (2010). Development and Validation of Instruments to Measure Learning of Expert-Like Thinking. *International Journal of Science Education*, hlm. 1-24.
- Azizoğlu, N. (2004). Conceptual change oriented instruction and students' misconceptions in Gases. Unpublished master thesis, Middle East Technical University, Secondary Science and Mathematics Education, Ankara.
- Balci, C. (2006). Conceptual Change Text Oriented Instruction to Facilitate Conceptual Change in Rate of Reaction Concept. Tesis, Departemen of Secondary Science and Mathematics Education, Middle East Technical University, hlm. 1-128.
- Banerjee, A. C. (1991). Misconceptions of students and teachers in chemical equilibrium. *International Journal of Science Education*, **13**, hlm. 487-494.
- Bar, V., Travis, A.S. (1991). Children's views concerning phase changes. *Journal* of Research in Science Teaching, **28**(4), 363-382.
- Barke, H.D., Al-Hazari, dan Yitbarek, S. (2009). *Misconception in chemistry*. Berlin: Springer.
- Barke, H-D. (2012). Two Ideas of The Redox Reaction: Misconceptions and Their Challenge in Chemistry Education. *AJCE*, **2** (2), hlm. 32-50.
- Barker V. & Millar R. (1999), Students' reasoning about chemical reactions: what changes occur during a context-based post-16 chemistry course?. *International Journal of Science Education*, 21, hlm. 645-665.
- Beerenwinkel, A., Parchmann, I., Gräsel, C. (2010). Conceptual Change Texts in Chemistry Teaching: A Study on The Particle Model of Matter. *International Journal of Science and Mathematics Education*, 9, hlm. 1235-1259.
- Benson, J. dan Clark, F. (1982). A Guide for Instrument Development and Validation. *The American Journal of Occupational Therapy*. **36** (12), hlm. 789-800.

Wika Puspitasari, 2015 PENGARUH CONCEPTUAL CHANGE TEXT (CCT) TERHADAP PERUBAHAN KONSEPSI SISWA PADA MATERI REAKSI REDUKSI OKSIDASI Universitas Pendidikan Indonesia | \.upi.edu perpustakaan.upi.edu Berg, van den E. (1991). *Miskonsepsi Fisika dan Remediasi*. Salatiga: Universitas Kristen Satya Wacana

- Blosser, P.E. (1987). Science misconceptions research and some imolications fort he teaching of science to elementery school students. ERIC/SMEAC *Science Education* Digest1.
- Bou Jaoude, S. B. (1991). A study of the nature of students' understanding about the concept of burning. *Journal of Research in Science Teaching*, **28**, hlm. 689-704.
- Bradley, J. D., Brand, M. (1985). Stamping Out Misconceptions. *Journal of Chemical Education*, **62** (4), hlm. 318.
- Calik, M. dan Ayas, A. (2005). A Cross-Age Study on The Understanding of Chemical Solutions and Their Components. *International Education Journal.* 6, (1), hlm. 30-41.
- Çelebi, Ö.(2004). Effect of Conceptual Change Oriented Instruction on Rempving Misconceptions About Phase Changes. Unpublished master thesis, Middle East Technical University Secondary Science and Mathematics Education, Ankara.
- Chambers, S.K., Andre, T. (1997). Gender, Prior Knowledge, Interest, and Experience in Electricity and Conceptual Change Text Manipulations in Learning about Direct Current. *Journal of Research in Science Teaching*, 34 (2), hlm. 107-123.
- Chandrasegaran, A.L., Treagust, D.F., Mocerino, M. (2007). The Development of a Two-Tier Multiple-Choice Diagnostic Instrument for Evaluating Secondary School Students' Ability to Describe and Explain Chemical Reaction Using Multiple Levels of Representation. *The Royal Society of Chemistry*, 8 (3), hlm. 293-307.
- Chang, R. (2004). General Chemistry: The Essential Concepts. Jakarta: Erlangga
- Dahar, R.W. (1998). Teori-Teori Belajar. Jakarta: Erlangga.
- De jong, O., Acampo, J., dan Verdonk, A. (1995). Problems in teaching the topic of redox reactions: action and conceptions of chemistry teachers. *Journal of Research in Science Teaching*. **32**, hlm. 1097-1110.
- De Jong, O. dan Treagust, D. (2002). The Teaching and Llearning of Electrochemistry. In J. K. Gilbert, O. De Jong, R. Justi, D. F. Treagust & J. H. van Driel (Eds.), *Chemical Education: Towards research-based practice*. hlm. 317-337. Kluwer Academic Publishers.
- Demircioğlu, G., Aslan, A. (2014). The effect of video-assisted conceptual change texts on 12th grade students' alternative conceptions: The gas concept. *Social and Behavioral Sciences*. **116**, hlm. 3115-3119.

- Demircioğlu, G., Yıldırım, A., Özmen H., Ayas A., (2000). Kimyasal Denge konusunun öğrenciler tarafından anlaşılma düzeyi ve karşılaşılan yanılgılar, IV. Fen Bilimleri Eğitimi Kongresi, 6-8 Eylül 2000, H.Ü. Eğitim Fakültesi, Ankara, Bildiriler Kitabı, 427-432.
- Driver, R. (1985). Theories in action: some theoritical and empirical issues in the study of students' conceptual frameworks in science. *Studies in Science Education*. **10**, hlm. 37-60.
- Duit, R., Treagust, D. F. (2003). Conceptual change: A powerful framework for improving science teaching and learning. *International Journal of Science Education*, **25** (6), hlm. 671-688.
- Ekborg, M. dan Osterlund, L. (2009). Students' Understanding of Redox Reaction in Three Situations. *Technology and Science Education*, *University of Urnea, Sweden.* 5, (2), hlm. 115-127.
- Erdmann, dan Mikkilä, M. (2000). Improving conceptual change concerning photosynthesis through text design. *Departement of Education*, **11**, hlm. 241-257.
- Gabel, D. (1999). Improving Teaching and Learning through Chemistry Education Research: A Look to the Future. *Chemical Education Reasearch*, **76** (4), hlm. 548-554.
- Garnett, P.J., Treagust, D. F. (1990). Implications of research on students understanding of electrochemistry for improving science curricula and classroom practice. *International Journal of Science Education*, **12**, 147.
- Geban, O., Cetingul, I. (2011). 'Using Conceptual Change Text With Analogies For Misconceptions In Acids And Bases'. Universitesi Egitim Fakultesi Dergisi. H. U. Journal of Education, 41, hlm. 112-123.
- Gilbert, J. K., Treagust, D. (2009). Introduction: Macro, Submicro and Simbolic Representation and The Relationship between Them: Key Models in Chemical Education. *Models and Modeling in Science Education*, 4, hlm. 1-8.
- Gilbert, J. K., Zylbersztajn, A. (1985). A conceptual framework for science education: the case study of force and movement. *International Journal of Science Education*, **7**, hlm. 107-120.
- Günay, B.(2005). Effects of conceptual change text instruction on overcoming students' misconceptions and their understanding of atom and molecule concepts. Unpublished master thesis, Middle East Technical University Secondary Science and Mathematics Education, Ankara.

- Guzzetti, B. J. (2000). Learning counter intuitive science concept: What have we learned from over a decade of research? *Reading, Writing, Quarterly*, **16**, hlm. 89-98.
- Hake, R R. (1999). Analizing Change/Gain Scores. Journal Dept. of Physics, Indiana University 24245 Hatteras Street, Woodland Hills, CA, 91367 USA.
- Jansoon, N, Coll, R.K., Somsook, E. (2009).'Understanding Mental Models of Dilution in Thai Students'. *International Journal of Environmental & Science Education*, 4 (2), hlm. 147-168.
- Johar, J.M.C., Rachmawati, M. (2006). Kimia 1. Jakarta: ESIS
- Johnstone, A. H. (2000). Teaching of Chemistry- Logical or Psychological?. *Chemistry Education: Research and Practice in Europe.* **1** (1), hlm. 9-15.
- Kim, S.I., Dusen, L.M.V. (1998). The Role of Prior Knowledge and Elaboration in Text Comprehension and Memory: A Comparison of Self-Generated Elaboration and Text-Provided Elaboration. *The American Journal of Psychology*, **111** (3), hlm. 353-378.
- Kozma, R. B. Dan Russel, J. (1997). "Mutimedia and Understanding: Expert and Novice Responses to Different Representations of Chemical Phenomena". Journal of Research in Science Teaching. 34, (9), 949-968.
- Krajick. J. S. (1989). Paper presented at American Anthropological Association, Washington, D.C. Reffered by Nakhleh (1993).
- Lawhse, C.H. (1975). A quantitative approach to content validity. *Personel Psycology*. 28, hlm.563-573.
- Li, W.S.S., Arshad, M.Y. (2014). Application of Multiple Representation Levels in Redox Reactions among Tenth Grade Chemistry Teachers. *Journal of Turkish Science Education*, **11** (3), hlm. 35-52.
- Nakhleh, M. B. (1992). Why some students don't learn chemistry. *Journal of Chemistry Education*, 80 (11), hlm. 191-196.
- Nakleh, M. B. (1994). Students' models of matter in the context of acid-base chemistry. *Journal of Chemical Education*, **71**, hlm. 495-499.
- Nieves, E.L.O., Barreto, R., Medina, Z. (2012). JCE Classroom Activity #111: Redox Reactions in Three Representations. *Journal of Chemical Education*, 89, hlm. 643-645.
- Onder, I., Geban, O. (2006). The Effect of Conceptual Change Text Oriented Instruction on Students' Understanding of The Solubility Equilibrium Concept. *H.U. Journal Of Education*, **30**, hlm. 166-173.

- Osborne, R.J., Cosgrove, M. (1983). Towards modifying children's ideas about electric current. *Research in Science and Technological Education* (in press).
- Ozmen, H., Demisciougle, H., dan Demircioglu, G. (2009). The effects of conceptual change text accompanied with animations in overcoming 11th grade students' alternative conceptions of chemical bonding. *Computers and Education.* **3**, hlm. 681-695.
- Peterson, R. F., Treagust, D. F., Garnett, P. (1986). Identification of secondary students' misconceptions of covalent bonding and structure concepts using a diagnostic test instrument. *Research in Science Education.* 16, hlm. 40-48.
- Posner, G.J. Strike, K.A., Hewson, P. W. (1982). Accomodation of a Scientific Conception: Toward a Theory of Conceptual Change. *Science Education*, 66 (2), hlm. 211-227.
- Ramnarain, U., Joseph, A. (2012). Learning Difficulties Experienced by Grade 12 South African Students in The Chemical Representation of Phenomena. *Chemistry Education Research and Practice*, 13, hlm. 462-470.
- Ross, B., Munby, H. (1991). Concept mapping and misconceptions: A study of high-school students' understanding of acids and bases. *International Journal of Science Education*, 13, hlm. 11-23.
- Roth, K. J. (1985). *Conceptual change learning and student processing of science texts.* Paper presented at the Annual Meeting of the American Education Research Association, Chicago, IL.
- Seker, A. (2006). Conceptual change text oriented instruction to facilitate conceptual change in atom, molecule, ion and matter. Middle East Technical University. (thesis). Graduate School of Natural and Applied Science Middle East Technical University.
- Sendur,G. dan Toprak,M. (2013). The role of conceptual change text to improve students' understanding of alkenes. *Chemistry Education Research and Practice.* 14, hlm. 431-449.
- Sirhan, G. (2007). Learning Difficulties in Chemistry: An Overview. *Journal of Turkish Science Education*. **4** (2), hlm. 2-20.
- Soyomukti, N. (2010). Teori-Teori Pendidikan. Jogjakarta: Ar-Ruzz Media.
- Sukardjo, M., Komarudin, U. (2009). Landasan Pendidikan Konsep dan Aplikasinya. Depok: PT RAJA GRAFINDO PERSADA.
- Sunarya, Y. dan Setiabudi, A. (2006). *Mudah dan aktif belajar kimia untuk kelas X SMA/MA Program IPA*. Jakarta: Pusat Perbukuan Depdiknas (BSE).

- Suparno, P. (2005). *Miskonsepsi dan Perubahan konsep dalam Pendidikan Fisika*. Jakarta: Grasindo.
- Tan, K.C.D., Taber, K.S., Goh, N.K. dan Chia, L.S. (2005). The ionisation energy diagnostic instrument: a *two-tier* multiple choice instrument to determine high school students' understanding of ionisation energy. *Chemistry Education Research and Practise*, 6 (4), hlm. 180-197.
- Tekkaya, C. (2010). Remediating High School Students' Misconceptions Concerning Diffusion and Osmosis through mapping and conceptual change text. *Research in Science and Technology Education.* 1, hlm. 5-16.
- Treagust, D. F., Garnett, P. J. (1992). Conceptual Difficulties Experienced by Senior High School Students of Electrochemistry: Electric Circuits and Oxidation-Reduction Equations. *Journal of Research in Science Teaching*. 29 (2), hlm. 121-142.
- Tsaparlis G., Papaphotis G. (2007). High-school students' conceptual difficulties and attempts at conceptual change: the case of basic quantum chemical concepts, *Int. J. Sci. Educ.*, **31**(7), hlm. 895-930.
- Valanides, N. (2000). Primary student teachers' understanding of the particulate nature of matter and its transformations during dissolving. *Chemistry Education Research Practise*, 1 (2), hlm. 249-262.
- Weerawardhana, A., Ferry, B., dan Brown. C. A. (2003). "Developing Conceptual Understanding of Chemical Equilibrium through the Use of Computer – base Visualization Software." Paper submitted for International 9th International conference on Sri Lanka Studies, 28th – 30th November 2003, Matara, Sri Lanka.
- Whitten, K.W., Davis, R.E., Peck, M.L., Stanley, G.G., (2003). *General chemistry* 7th edition. Amerika : BrooksCole.
- Wu, H.K., Krajcik, J.S., Soloway, E. (2001). Promoting Understanding of Chemical Representations: Students' Use of a Visualization Tool in the Classroom. *Journal of Research in Science Teaching*, **38** (7), hlm. 821-842.