REFERENCES

- Abraham, M.R., Grzybowski, E.B., Renner, J. & Marek, E.A., (1992), Understanding and Misunderstanding of Eight Grades of Five Chemistry Concept in Text Book, *Journal of Research in Science Teaching*, **29**(12), 105-120
- Alwan, Ahmad Arif., (2010), Hidrolisis Garam Dalam Kehidupan Sehari-hari: <u>http://www.arifalwan04.blogspot.com/2012/04/hidrolisis-garam-dalam-kehidupan-sehari.html akses January 2012</u>.
- Arends, R.I., (2001), Models of Teaching 5thed, Singapore, Mc Graw Hill.
- Carter, S., and Brickhouse, N., (1989), *What makes chemistry difficult? Journal of Chemical Education*, 66, 223-225.
- Chandrasegaran, A.L., Treagust, D.F., and Mocerino, M., (2007), The Development of A Two-Tier Multiple-Choice Diagnostic Instrument for Evaluating secondary School Students' Ability to Describe and Explain Chemical Reactions Using Multiple Levels of Representation, *Chemistry Education Research and Practice*, 8(3): 293-307.
- Commor, Raymond. F. O., (1974), *Chemical Principles and Their Biological Implication*, United States of America, Hamilton Publishing Company.
- Gabel, D., (1996, July), *The complexity of chemistry: Research for teaching in the* 21st century. Paper presented at the 14th International Conference on Chemical Education. Brisbane, Australia.
- Gerard, D. T., Ed, V.D.B., (1993), (Cultural Factors in the Origin and Remediation of Alternative Conceptions, Proceedings August 1993).
- Griffiths, A.K., (1994), A Critical Analysis and Synthesis of Research on Students' Chemistry Mis-conceptions', in H.J. Schmidt (ed.) *Problem Solving and Misconceptions in Chemistry and Physics*, ICASE, pp. 70–79.
- Herron, D., (1996), *The chemistry classroom*, Washington, American Chemical Society.
- Harizal, (2012), Analyzing of Students' Misconception on Acid-Base Chemistry at Senior High Schools in Medan, Thesis, Mathematic and Natural Science Faculty, State University of Medan, Medan.

- Hartana, Crys Fajar., (2001), *Buku Materi Pokok Kimia Fisika II*, Jakarta, Universitas Terbuka.
- Hartati, A., (2010), Analisis Miskonsepsi Siswa dan Cara Mengatasinya Pada Pokok Bahasan Struktur Atom, Skripsi, Fakultas Matematika dan Ilmu Pengetahuan Alam, Universitas Negeri Medan, Medan.
- Husseini, A., (2011), Analyzing of Students' Misconception on Chemical Equilibrium At Senior High School in Medan, Thesis, Mathematic and Natural Science Faculty, State University of Medan, Medan.
- J. Sanger, M., and Thomas J. Greenbow., (1997), Students' Misconceptions in Electrochemistry: Current Flow in Electrolyte Solutions and the Salt Bridge, *Journal of Chemical Education*, **74** (**7**) : 232-233.
- Johari, J. M. C., M. Rachmawati, (2010), *Chemistry for Senior High School Grade XI*, Jakarta, Esis.
- Joyce, Bruce and Weill Marsha., (1980), *Model of Teaching*, New Jersey, Prentice-Hall.
- Keenan, Charles. W., (1980), Kimia Untuk Universitas, Jakarta, Erlangga.
- Muchtar, Z., and Harizal., (2012), Analyzing of Students' Misconceptions on Acid-Base Chemistry at Senior High School in Medan, *Journal of Education and Practice*, ISSN 2222-1735 (Paper) ISSN 2222-288X (Online), 3 (15) : 65-74.
- Mulford, D. R., Robinson, W. R, (2002), An Inventory for Alternate Conceptions among First-Semester General Chemistry Students, *Journal of Chemical Education* 79 (6): 739-744.
- Nakhleh, Mary., (1992), Why Some Students Don't Learn Chemistry, *Journal of Chemical Education* **3 (69)**: 191-196.
- Octavia, R. S., (2012), Analisis Miskonsepsi Siswa SMA Kelas X Pada Pokok Bahasan Ikatan Kimia di Kecamatan Bandar Tahun Ajaran 2011/2012, Skripsi, Fakultas Matematika dan Ilmu Pengetahuan Alam, Universitas Negeri Medan, Medan.
- Ozmen, H., (2004), Some student misconceptions in chemistry: A literature review of chemical bonding, *Journal of Science Education and Technology (JRST)*, **13 (2)**, JunePavelich, M, B. Jenkins, J. Birk, R.Baue

- Paul, Suparno., (1997), *Filsafat Konstruktivisme Dalam Pendidikan*, Penerbit Kanisius, Yogyakarta.
- Pinarbasi, T., Sozbilir, M., & Canpolat, N., (2009), Prospective Chemistry Teachers' Misconceptions about Colligative Properties: Boiling Point Elevation andFreezing Point Depression, *Chemistry Education Research* and Practice, 10, 273–280.
- Purtadi, S and Rr. Lis Permana Sari, Analisis Miskonsepsi Laju dan Kesetimbangan Kimia Pada Siswa SMA, *Jurnal Jurusan Kimia FMIPA-UNY*.
- Purtadi, Sukisman., Rr. Lis Permana Sari (2008). Pengembangan Dan Implementasi Tes Chemistry Concept Inventory Berbasis Multimedia Sebagai Instrumen Dalam Identifikasi Dan Remediasi Miskonsepsi Konsep-Konsep Kimia Pada Siswa SMA Laporan Penelitian. Tidak Dipublikasikan.
- Posner, G. J., Strike, K. A., Hewson, P. W., and Gertzog, W. A., (1982), Accomodation of a Scientific Conception: Toward a Theory of Conceptual Change, *Science Education*, **66** (2): 211-227.
- Raghvan, P. S., and M. S. Sethi., (1997), *Concepts and Problems in Physical Chemistry*, New Delhi, Discovery Publishing House.
- Sanger, M.J., and Greenbowe, T.J., (1999), An Analysis of College Chemistry Textbooks as Sources of Misconceptions and Errors in Electrochemistry, *Journal of Chemical Education*, **76** (6): 853-860.
- Simamora, M., and I Wayan Redhana., (2007)., Identifikasi Miskonsepsi Guru Kimia Pada Pembelajaran Konsep Struktur Atom, Jurnal Penelitian dan Pengembangan Pendidika, 1 (2): 148-160.
- Sheppard, K., (2006), High School Students' Understanding of Titration and Related Acid-Base Phenomena, *Chemistry Education Research and Practice*, 7 (1): 32-45.
- Skelly, K. M. & Hall, D. (1993). The development and validation of a categorization of sources of misconceptions in chemistry. Paper presented at the Third International Seminar on Misconceptions and Educational Strategies in science and Mathematics (Ithaca, August).

- Suparjo, (2008), Analisis Miskonsepsi Siswa Kelas X SMA Pada Pokok Bahasan Ikatan Kimia, Skripsi, Fakultas Matematika dan Ilmu Pengetahuan Alam, Universitas Negeri Medan, Medan.
- Susilowati, Endang., (2009), *Theory and Application of Chemistry 2*, Solo, Tiga Serangkai.
- Suyanta, Sukisman Purtadi, dan Rr. Lis Permana Sari (2007). Identifikasi Pemahaman Konsep Kimia Kelas XI SMA Dengan Menggunakan Demonstrasi *Clock Reaction Terstuktur*. Laporan Penelitian. Tidak Dipublikasikan.
- Tasker, R., and Dalton, R., (2006), Research into Practice: Visualization of the Molecular World Using Animations, *Chemistry Education Research and Practice*, 7 (2): 141-159.

Van den Berg, Euwe., (1990)., Konsep, Peta Konsep, Konsepsi dan Miskonsepsi, Makalah., Jurusan Kependidikan Matematika dan IPA UKSW Salatiga.

