

DAFTAR PUSTAKA

- Abed, E. R., and Al-Absi, M. M., (2015), Content Analysis of Jordanian Elementry Textbooks during 1970-2003 as Case Study, *International Education Studies* **8(3)**: 159-166.
- Abidin, Y., (2014), *Desain Sistem Pembelajaran dalam Konteks Kurikulum 2013*, Penerbit Refika Aditama, Bandung.
- Albers, C., (2009), Teaching: From Disappointment To Ecstasy, *Teaching Sociology*; **37(3)**: 269-282.
- Bentley. J.W., Mele, P.V., dan Acheampong, G.K., (2010), Experimental By Nature: Rice Farmerin Ghana, *Humam Orgainzation* **69(2)**: 129-138.
- BSNP, (2006), *Panduan KTSP Jenjang Pendidikan Dasar dan Menengah*, Depdiknas, Jakarta.
- Burden, P. L., and Byrd, D. M., (1999), *Methods for Effective Teaching*, Allyn and Bacon, Boston.
- Carter, J. L., and Mayer, W. V., (1988), Reading Beyond the Textbook: Great Books of Biology, *Bioscience* **38(7)**: 490-493.
- Borg, W. R., and Gall, M. D., (1983), *Educational Research: An Introduction*. 4th Ed. Longman, Inc, New York.
- Chambliss, M. J., (2001), Analyzing Science Textbook Materials to Determine how “Persuasive” They Are, *Theory into Practice* **40(4)**: 255-264.
- Chang Lee, P., Ta Lin, Cheng., dan Hong Kang, H., (2015), The Influence of Open Innovative Teaching Approach Toward Student Satisfaction :a case of Si-Men Primary School, Springer: Online Publisher.
- Chang, R., (2004), *Kimia Dasar: Konsep-konsep Inti Jilid 2 Edisi Ketiga*, Erlangga, Jakarta.
- Corrigan, M.J., Bill, M.L., dan Slater, J.R., (2009), The Development of a Substance Abuse Curriculum in a Master’s of Social Work Education **45(3)**:513-521.

- Dimiyati dan Modjiono, (2009), *Belajar dan Pembelajaran*, Rineka Cipta, Jakarta.
- Depdiknas, (2008), *Panduan Pengembangan Bahan Ajar*, Depdiknas, Jakarta.
- Dick, W., and Carey, L., (1978), *The Systematics Design of Instruction*, Foresman Co, Illinois.
- Dolan, E., (2009), Recent Research in Science Teaching and Learning, *CBE-Life Science Education* 8(3): 162-164.
- Direktorat Pembinaan Sekolah Menengah Atas, (2008), *Petunjuk Teknis Pengembangan Bahan Ajar*, Depdiknas, Jakarta.
- Edginton, A., dan Holbrook, J., (2010), A Blended Learning Approach to Teaching Basic Pharmacokinetic and the Significance of Face-to-Face Interactin, *American Journal of Pharmaceutical Education*; **74(5)**: 1-11.
- Fastre, R. D. Dan Carlson, L. H., (1992), Learning to Teach with Multimedia. *T H E Journal, (online)*, 20 (2).
- Furgon, (2009), *Kriteria Bahan Ajar*: <http://www.tek-nologipendidikan.co.cc> akses September 2015.
- Garnett, P., Oliver, R., & Hackling, M., (1998), Design interactive multimedia materials to support concept development in beginning chemistry classes. In T. Chan, A. Collins, & J. Lin (Eds.), *Global education on the Net: Proceedings of the 6th International Conference on Computer in Education* (pp. 141–144). Beijing: China Higher Education Press, and Heidelberg: Springer Verlag.
- Good, J. J., Woodzicka, J. A., and Wingfield, L. C., (2010), The Effects of Gender Stereotypic and Counter-Stereotypic Image on Science Performnce, *The Journal of Social Psychology* **150(2)**: 132-147.
- Goto, K., Pelto, H., Pelletier, d.l., dan Tiffani, J.S., (2010),“It Really Openend My Eyes” The Effcts On Youth Peer Education Of Participating in An Reasearch Project, *Human Organization*; **69(2)**: 192-200.

- Gravana, N. G., (2009), Creating Alternatives in Science, *Journal of Commercial Biotechnology* **15(2)**: 161-171.
- Greene dan Petty, (1981), *Developing Language Skill in The Elementry Schools*, Allyn and Bacon Inc, Boston, 504-2.
- Hackbarth, S., (1996), *The educational technology handbook: A comprehensive Guide*. Englewood Cliffs: Educational Technology Publication, Inc.
- Hake,R.,(1998),*AnalyzingChage/GainScores*:<http://www.physics.indiana.edu/~sdi/AnalyzingChange-Gain.pdf> akses Nopember 2015)
- Holliday, W. G., (2002, Selecting A Science Textbook, *Science Scope* **25(4)**: 16-20.
- Hosler, J., dan Boomer, K. B., (2011), Area Comic Books an Effective Way to Engage Non Majors in Learning and Appreciating Science?, *CBE-Life Sciences Education* **10**: 309-317.
- Isjoni., (2011), *Pembelajaran Kooperatif Meningkatkan Kecerdasan Komunikasi antar Peserta Didik*, Pustaka Pelajar, Yogyakarta.
- Jippers, E., Engelen, J.M.L., Brand, P.L.P., dan Oudkerk, M., (2010), Competency-based (canMEDS) Residency Training Programme Radiology: Systematic Desaign Prosedure, Curriculum and Success Factor, *Eur Radiol* **20(4)**: 967-977.
- Karpen, M.E., Handerleiter, J., dan Schaertel, A., (2004), Integrating computational chemistry into the physical chemistry laboratory curriculum: A Wet Lab/Dry Lab Approach, *Journal of Chemical Education* **81**: 475-477.
- Kemdikbud., (2013), *Bahan Sosialisasi Kurikulum 2013*, Depdiknas, Jakarta.
- Koroghlanian, C., and Klein, J. D., (2004), The Effect of Audio and Animation in Multimedia Instruction. *Journal of Educational Multimedia and Hypermedia*, **13(1)**: 24-46.
- Kolluru, S., (2012), An Active-Learning Assignment Requiring Pharmacy Students to Write Medicinal Chemistry Examination Questions, *American Journal of Pharmaceutical Education* **76(6)**: 1-7.

- Kramer, I.M., Dahmani, H.R., Delouche, P., Bidabe, M., dan Schneeberger, P., (2012), Education Catching up with Science: Preparing Students for Three-Dimensional Literacy in Cell Biology, *CBE-Life Sciences Education* **11**: 437-447.
- Kurniasih, I., dan Berlin, S., (2014), *Panduan Membuat Bahan Ajar Buku Teks Pelajaran Sesuai dengan Kurikulum 2013*, Kata Pena, Surabaya.
- Labov, J. B., (2006), National and State Standar in Science and Potential, influency on Undergraduate Science Education, *CBE Life Edu* **5(3)**: 204-209.
- Lagowsky, (2002), *The Role Of The Laboratory In Chemical Education*. Texas. The University of Texas at Austin.
- Lazarowictz, R., dan Tamir, P., (1994), *Research on using laboratory instruction in science: in D. Gabel (Ed), Hand Book of Research on Science Teaching and Learning*, Macmillan, New York.
- Mahdjoubi, L., and Rahman, M. A., (2012), Effects of multimedia characteristics on novice CAD (Computer-Aided Design), *Architectural Engineering and Design Management* **8**:214-225.
- Masruroh, S., (2014), Implementasi Pendekatan Scientific pada Kurikulum 2013 untuk Meningkatkan Motivasi Belajar Siswa pada Bidang Kompetensi Teknologi Informasi dan Komunikasi. *Prosiding Konvensi APTEKINDO ke 7 FPTK UPI Bandung*.
- Mayer, R. E., (2003), The Promise of Multimedia Learning: Using the Same Instructional Design Methods Across Different Media, *Learning and Instruction*, **13**: 125-139.
- Mayer, R. E., (2009), What Neurosurgeons Should Discover About the Science of Learning. *Clinical Neurosurgery*, **56**: 57–65.
- Meyer, M. J., (1996), *Multimedia in the Classroom*, Boston: Allyn and Bacon.
- Miswanda, S. S., (2010), Pengaruh Penggunaan Metode Preview, Question, Read, Summarize, and Test Melalui Pendekatan Contextual Teaching and Learning

terhadap Hasil Belajar Kimia Siswa, *Jurnal Inovasi Pendidikan Kimia*, **4(1)**: 557-556.

Montelongo, J A., dan Herter, R.J., (2010), Using Technology to Support Expository Reading and Writing in Science Classes, *Science Activities* **47**: 89-102

Moreno, R., and Mayer, R. E., (2000), A Coherence Effect in Multimedia Learning: The Case for Minimizing Irrelevant Sounds in The Design of Multimedia Instructional Messages. *Journal of Educational Psychology*, **97**: 117–125.

Mulyasa, E., (2006), *Kurikulum Tingkat Satuan Pendidikan*, Rosdakarya, Bandung.

Munthe, (2011), *Analisis dan Standarisasi Buku Kimia Kelas x Semester I Berdasarkan Standar Isi KTSP*, Tesis, Program Pascasarjana UNIMED, Medan.

Nugraha, D.A., (2013), Pengembangan Bahan Ajar Reaksi Redoks Bervisi SETS Berorientasi Konstruktivistik, *Journal of Innovative Science Education* **2(1)**:28.

Parulian, H. G., (2013), *Pengembangan Buku Ajar Kimia Inovatif untuk Kelas XI Semester II SMA/MA*, Tesis, Program Pascasarjana UNIMED, Medan.

Permendikbud, (2014), *Peraturan Menteri Pendidikan dan Kebudayaan Republik Indonesia Nomor 59 Tahun 2014 Tentang Kurikulum 2013 Sekolah Menengah Atas/ Madrasah Aliyah*, Departemen Pendidikan dan Kebudayaan, Jakarta.

Philips, R., (1997), *A Practical Guide for Educational Applications*, Kogan Page limited, London.

Purba, Friska., (2015), *Pengembangan Penuntun Praktikum Kimia SMA Kelas XI Materi Laju Reaksi Sesuai dengan Model Pembelajaran Penemuan dan Berbasis Proyek*, Tesis Prodi Pendidikan Kimia UNIMED, Medan

Prastowo, A., (2011), *Panduan Kreatif Membuat Bahan Ajar Inovatif*, Diva Press, Jogjakarta.

- Sadirman, S. A., Rahardjo, R., Haryono, A., dan Rahardjito., (1986), *Media Pendidikan: Pengertian, Pengembangan dan Pemanfaatannya*, Raja Grafindo Persada, Jakarta.
- Sadirman, S. A., (2003), *Media Pendidikan*, Raja Grafindo Persada, Jakarta.
- Sardiman, A. M., (2007), *Interaksi dan Motivasi Belajar Mengajar*, Raja Grafindo Persada, Jakarta.
- Saefuddin, Asis, (2014), *Pembelajaran Efektif*. Pt Remaja Rosdakarya. Bandung.
- Saefuddin, A., dan Berdiati, I., (2014), *Pembelajaran Efektif*, PT Remaja Rosdakarya, Bandung.
- Sani, R. A., (2013), *Pembelajaran Saintifik untuk Implementasi Kurikulum 2013*, Bumi Aksara, Jakarta.
- Sanjaya, W., (2008), *Strategi Pembelajaran Berorientasi Standar Proses Pendidikan*, Prenada Media, Jakarta.
- Sanjaya, W., (2010), *Strategi Pembelajaran Berorientasi Standar Proses Pendidikan*, Prenada Media, Jakarta.
- Sa'ud, U.S., (2008), *Inovasi Pendidikan, Bandung*, AlfaBeta.
- Setyosari, Pinaji, (2012), *Metode Penelitian Pendidikan dan Pengembangan*, Kencana, Jakarta.
- Silitonga, L.L., dan Situmorang, M., (2009), Epektifitas Media Audivisual Terhadap Peningkatan Prestasi Belajar Siswa Pada Pengajaran Sistem Koloid, *Journal Pendidikan Kimia* **1(1)**: 1-9.
- Simatupang, N.I., and Situmorang, M., (2013), Innovation of Senior High School Chemistry Textbook to Improve Students Achievement in Chemistry, *Proceeding of The 2nd International Conference of the Indonesian Chemical Society 2013 October, 22-23th 2013*, pp. 44-52.
- Sinambela, Pardomuan., (2013), Kurikulum 2013 Dan Implementasinya Dalam Pembelajaran. *Jurnal Generasi Kampus* **vol 6**. No. 2.

- Siregar, E.J., Silaban, R., dan Mahmud, (2014), Pengaruh Model Pembelajaran Berbasis Masalah Bermediakan Internet terhadap Hasil Belajar dan Karakter Jubermadita pada Materi Asam Basa Siswa SMA di Kota Binjai, *Jurnal Pendidikan Kimia*, **6(1)**: 52-58.
- Situmorang, H., dan Situmorang, M., (2009), Efektifitas Media Audiovisual terhadap Peningkatan Pestaasi Belajar Siswa pada Pengajaran Materi dan Perubahannya, *Jurnal Pendidikan Matematika dan Sain* **3(1)**: 45-51.
- Situmorang, M., (2003), *Efektifitas Model Pemelajaran terhadap Peningkatan Prestasi Belajar Mahasiswa dalam Perkuliahan Kimia Analitik-1*, Laporan Hasil Penelitian, FMIPA Universitas Negeri Medan.
- Situmorang, M., (2004), Inovasi Model-Model Pembelajaran Bidang Sain untuk Meningkatkan Prestasi Belajar Mahasiswa, *Prosiding Konaspi V Surabaya Tahun 2004*
- Situmorang, M., dan Sinaga, M., (2006), inovasi Pembelajaran pada Mata Kuliah Kimia Analitik II, *Jurnal Pendidikan Matematika dan Sain* 1(2): 114-119.
- Situmorang, M., (2010), *Penelitian Tindakan Kelas (PTK) Untuk Mata Pelajaran Kimia (Dengan Suplemen)*, Medan, Unimed.
- Situmorang, M., (2013), Pengembangan Buku Ajar Kimia SMA Melalui Inovasi Pembelajaran dan Integrasi Pendidikan Karakter Untuk Meningkatkan Hasil Belajar Siswa. *Prosiding Seminar Dan Rapat Tahunan BKS PTN Barat Bidang MIPA di Universitas Lampung*. Tgl 10-12 Mei 2013, Hal 237-246
- Situmorang, M., dan Munthe, L.B., (2015), Pengembangan Media Pembelajaran Untuk Meningkatkan Hasil Belajar Pada Pengajaran Radioisotop, *Prosiding Seminar Dan Rapat Tahunan BKS PTN Barat Bidang MIPA di Tanjungpura Pontianak*, Tgl 6-9 Mei 2015, pp. xx-xx.
- Situmorang, M., M., Hutabarat, W., dan Situmorang, Z., (2015), The Development of Innovative Chemistry Textbook to Improve Students Achievement of Bilingual Senior High School Student, *International Educational Studies* (**In Press**).

- Situmorang, M., Sinaga, M., Tarigan., D.A., Sitorus, C.J., dan Tobing, A.M.L., (2011), The Affectivity of Innovated Chemistry Learning Methods to Increase Student's Achievement in Teaching of Solubility and Solubility Product, *Jurnal Penelitian Bidang Pendidikan* **17(1)**: 29-37
- Situmorang, M., Sinaga, M., Tobing, A.M.L., Sitorus, C.J., Tarigan., D.A., dan, (2010), Teaching Innovation in the Laboratory to Increase Student's Achievement in Chemistry, *Jurnal Penelitian Bidang Pendidikan* **17(1)**: 7-14.
- Situmorang, M., Sitorus, M., Hutabarat, W., and Situmorang, Z., (2015), The Development of Innovative Chemistry Learning Material for Bilingual Senior High School Students in Indonesia, *International Education Studies* 8(10): x-x.
- Slavin, (1994), *Coopreative Learning Theory*, Second Edition, Allyn and Bacon, Massachusetts.
- Sudjana, N., dan Rivai, A., (2001), *Media Pembelajaran*, Sinar Baru Algensindo, Bandung.
- Sudrajat, A., (2009), Konsep Pengembangan Bahan Ajar [online], (<http://akhmadsudrajat.wordpress.com/2008/03/04/konsep-pengembangan-bahan-ajar-2/>, diakses tanggal 17 November 2015).
- Suyanti, R., (2008), *Pengembangan Metode Pembelajaran Kooperatif Tipe TAI dilengkapi Modul dan penilaian Portofolio untuk meningkatkan Prestasi Belajar Penentuan pH Reaksi Siswa SMA Kelas XI Semester I*, Tesis, Prodi Kimia, Universitas Maret Surakarta.
- Suyanti, R. D., (2010), *Strategi Pembelajaran Kimia*, Graha Ilmu, Yogyakarta.
- Tan, O. S., (2003), *Problem Based Learning Innovation*, Gale Cengage Learning, Sing Lee Press, Singapura.
- Tim Pascasarjana UNIMED, (2010), *Pedoman Administrasi dan Penulisan Tesis & Disertasi*, Program Pascasarjana UNIMED, Medan.
- Tompkins, C.J., Rosen, A.L., dan Larkin, H., (2006), Guest Editorial: An Analysis Of Social Work Textbooks For Aging Content: How Well Do Social Work

Foundation Texts Prepare Students For Our Aging Society?, *Journal of Social Work Education* **42(1)**: 3-24.

Varghese, J., Faith, M., dan Jacob, M., (2012), Impact of e-resources on Learning in Biochemistry: First-year Medical Students' Perceptions, *BMC Medical Education* **12**: 21-29.

Viridi, S., (2011), Editorial: Inovasi dalam Pembelajaran dengan Cerita, *Jurnal Inovasi Pembelajaran Sains* **1(1)**:1-2.

Wibawa, B., dan Mukti, F., (1992), *Media Pembelajaran*, Dirjen Dikti, Jakarta.

Yore, L. D., Bisanz, G. L., and Hand, B. M., (2003), Examining the Literacy Component of Science Literacy: 25 Years of Language and Science Research. *International Journal of Science Education*, **25(6)**: 689-725.

Yusfiani, M. dan Situmorang, M., (2011), Pengembangan dan standarisasi Buku Ajar Kimia SMA/MA Kelas XII Semester 1 Berdasarkan Standar Isi KTSP, *Jurnal Penelitian Bidang Pendidikan Volume* **17(1)**: 38-48.

Zevenbergen, R.J., Grootenboer, P., dan Sullivan, P., (2010), Good Learning a Good Life: Mathematics Transformation in Remote Indigenous Communities, *Australian Journal of Social Issues* **45(1)**: 131-145.