Daftar Pustaka

Afandi, R., (2011), Integrasi Pendidikan Karakter Dalam Pembelajaran IPS Di Sekolah Dasar. *Pedagogia. Vol. 1, No. 1, Desember 2011: 85-89.*

Altun, E., Demirdag, B., Burak, F., Alev, A., Iker, C., (2009), Developing an interactive virtual chemistry laboratory enriched with constructivist learning activities for secondary schools. *Procedia Social and Behavioral Sciences 1 (2009) 1895–1898.*

Anonymous., (2008), General Lab Product. Laboratory Product News; 10,1; *Proquest Nursing & Allied Health Source pg 10.*

Arifin, M., (2000), *Strategi Belajar Mengajar*, Jurusan Pendidikan Kimia. FMIPA UPI; Bandung.

Arikunto, S., (2009), *Dasar-dasar Evaluasi Pendidikan*, Penerbit Bumi Aksara, Jakarta.

Ariningsih, I., (2013), *Pengembangan Panduan Praktikum Kimia Berbasis Inkuiri Terstruktur Di Kelas XII SMAN 1 Indralaya Utara*. Program Studi Pendidikan Kimia FKIP Universitas Sriwijaya. Palembang.

Baeten, M., Katrien, S., Filip, D., (2013), Student-centred teaching methods: Can they optimise students' approaches to learning in professional higher education? *Studies in Educational Evaluation 39 (2013) 14–22.*

Barney, D., Andrea, G. B., William, A, Danny, R. B., (2009), Effectiveness of a Virtual Laboratory as a Preparatory Resources For Distance Education Chemistry Students. *Computers & Education 53 853-865.*

Bob Buntrock., (2013), *SciFinder Redux And Related Chemical Information Developments*. (http://newsbreaks.infotoday.com/NewsBreaks/SciPlanner-Latest-Addition-to-the-CASSuite-of-Programs-75328.asp).

Borg and Gall., (1983), *Educational Research; An Introduction,* Longman Inc, New York & London.

Carrie, M., William, H., Danny, G. S., (2015), Construction and Characterization of a Compact, Portable, Low-Cost Calorimeter For The Chemistry Lab. *Journal of Chemical Education*.

Cengiz., (2010), The Effect Of The Virtual laboratory on students' Achievenment and Attitude in Chemistry. *Internasional Journal of Educational Sciences, 2010, 2 (1), 37-53.*

Conway., (2014), Effects of Guided Inquiry versus Lecture Instruction on Final Grade Distribution in a One-Semester Organic and Biochemistry Course. *J. Chem. Educ. 2014, 91, 480−483.*

Dick, W., and Carey., (2005), *The Sytemic Design of Instructional (6th ed),* Omegatype Typography Inc, New York.

Domingues, L., Isabel, R., Fernando, D., Madalena, A., Eugénio, C., (2010), Virtual laboratories in (bio)chemical engineering education. *Education For Chemical Engineers x x x (2 0 1 0) xxx–xxx.*

Dwiyanti, G., (2015), Optimasi Prosedur Percobaan dan Penyiapan Lembar kerja Siswa Sebagai Perangkat Pembelajaran Identifikasi Unsur Karbon Dan Hidrogen Dengan Model Inkuiri Terbimbing. *Seminar Nasioanal Kimia dan Pendidikan Kimia VII. ISSBN : 978-602-73159-0-7.*

Dwiyanto., (2005), *Pembelajaran Di laboratorium*. Pusat Pengembangan Pendidikan. UGM. Yogyakarta.

Eichler, J. F., (2009), Imploding Soda Cans: From Demonstration to Guided-Inquiry Laboratory Activity. *Journal of Chemical Education. Vol. 86. No. 4 April 2009*.

El Islami., (2015), Membangun Kepercayaan Diri Siswa Pada Konsep Asam Basa Melalui Pembelajaran Inkuiri Terbimbing. *Edusains, 7 (1), 2015, 64-69.*

Fauth, B., Jasmin, D., Svenja, R., Eckhard, K., Gerhard, B., (2014), Student ratings of teaching quality in primary school: Dimensions and prediction of student outcomes. *Learning and Instruction 29 (2014) 1-9.*

Hake, R., (1998), Analyzing Change/Gain Scores, http://www.physics.indiana.edu/sdi/AnalyzingChange-Gain.pdf (Maret 2016)

Handayani., (2014), *Pengembangan Buku Penutun Praktikum IPA Berbasis Inkuiri Terbimbing Untuk SMP Kelas VII Semester II*. Tesis. Program Pasca sarjana Universitas Negeri Padang.

Hanim, N., Abdullah., dan Khairil., (2015), Penerapan Model Pembelajaran Inkuiri Terbimbing Berbasis Praktikum Pada Materi Sistem Ekskresi Untuk Meningkatkan Hasil Belajar Kognitif Peserta Didik SMA. *Jurnal EduBio Tropika, Volume 3, Nomor 1, April 2015, hlm. 1-50.*

Herga, N., Dejan, D., (2012), Virtual Laboratory in Chemistry-Experimental Study of understanding, Reproduction and Application of Acquired Knowledge of subject's Chemical Content, *Organizacija, Volume 45, Number 3.*

Hussain, A., Azeem, M. & Shakoor, A., (2011), Physics Teaching Methods: Scientific Inquiry Vs Traditional Lecture. *International Journal of Humanities and Social Science*, I(19): 269-76.

Imroh, S., (2013), *Pemanfaatan Laboratorium Untuk Pembelajaran Biologi Di SMA Al-Asror Gunung Pati Semarang.* Fakultas Matematika dan Ilmu Pengetahuan Alam. Pendidikan biologi. Universitas Negeri Semarang.

Isnaeni Arifah., (2014), Pengembangan Buku Petunjuk Praktikum Berbasis Guide Inquiry untuk Mengoptimalkan Hands On Mahasiswa Semester II Program Studi Pendidikan Fisika Universitas Muhammadiyah Purworejo Tahun Akademik 2013/2014. Program Studi Pendidikan Fisika. Universitas Muhammadiyah Purworejo. *Radiasi Volume 5 No.1.*

Jeffrey, R., (2008), Health and Safety Issues In Lab Design. Medical Laboratory Observer; 39,8; *Proquest Nursing & Allied Health Source pg 34.*

Kementerian Pendidikan dan Kebudayaan., (2014), *Modul Pelatihan Implementasi Kurikulum 2013 Mata Pelajaran Kimia*. Badan Pengembangan Sumber Daya Manusia Pendidikan dan Kebudayaan dan Penjaminan Mutu Pendidikan

Khulthau, C., (2010), Guide Inquiry: School Libraries in The 21st Century. School Libraries Worldwide. *January, 2010, Volume 16, No. 1, 17-28.*

Khulthau, C., (2012), Guide Inquiry Design: A Framework for Inquiry in Your School. *The Journal of The New Members Round Table. March, 2012. Volume 4, No. 1.*

Khulthau, C., (2014), From Tradisional Research Assigenments to Guide Inquiry Learning. *December, 2014. Volume 43, No. 2.*

Matthew, B. M., & Kenneth, I. O., (2013), A Study on The Effects of Guided Inquiry Teaching Method on Students Achievement in Logic. *International Researcher, II(1): 134-40.*

Mitarlis., (2012), Peranan Kegiatan Praktikum Kimia Dasar I Materi Pemisahan Campuran Dalam Rangka Pencapaian Nilai-Nilai Karakter Bagi Mahasiswa Kimia UNESA Dengan Model Terintegrasi. *Prosiding Seminar Nasional Kimia Unesa 2012 – ISBN : 978-979-028-550-7.*

Nauli, P., (2013), Kurikulum 2013 dan Implementasinya Dalam Pembelajaran. *Jurnal Generasi Kampus Volume 6, No. 2, Tahun 2013.*

Petr, H., (2000), Laboratory Experiments For Control Theory Courses; A Survey. *Annual Reviews in Control 24 151-162.*

Randall, W., (2011), Utilizing Problem Based Learning in Qualitative Analysis Lab Experiments. *Journal Of Chemical Education. 89, 254-257.*

Rosmalinda, D., (2013), Pengembangan Modul Praktikum Kimia SMA Berbasis PBL. Program Magister Pendidikan IPA Universitas Jambi. *Edu-Sains 2 No. 2 Juli 2013.*

Sadia, W., Putu, I. B., Wayan, M., (2013), Model Pendidikan Karakter Terintegrasi Pembelajaran Sains. *Jurnal Pendidikan Indonesia. ISSN: 2303-288X. Vol. 2, No. 2, Oktober 2013.*

Silaban, R., (2016), *Desain Pembelajaran Kimia Melalui Kegiatan Praktikum Semi Riset.* Program Pascasarjana. UNIMED.

Situmorang, M., (2013), Pengembangan Buku Ajar Kimia SMA Melalui Inovasi Pembelajaran Dan Integrasi Pendidikan Karakter untuk Meningkatkan Hasil Belajar Siswa. Jurusan Kimia FMIPA Universitas Negeri Medan. *Prosiding Semirata FMIPA Universitas Lampung.*

Steven, J., (1999), Using Outlier Events To Monitor Test Turnaround Time A Collage Of American Pathologists Q-Probes Study In 496 Laboratories. *Archives Of Pathologists & Laboratory Medicine; Jul 1999; 123:607-614.*

Subandi., (2011), Deskriptif Kualitatif Sebagai Satu Metode Dalam Penelitian Pertunjukan, *Harmonia, Vol.11 No.2.*

Sunarno, W., (2013), Kesiapan Dan Kendala Dunia Pendidikan Dalam Implementasi Kurikulum 2013. *Seminar Nasional FMIPA UNDIKSHA III Tahun 2013.*

Suprayitno, T., (2011), *Panduan Teknis Perawatan Laboratorium Kimia Sekolah Menengah Atas.* Direktorat Jenderal Pendidikan Menengah. Kementerian Pendidikan Dan Kebudayaan.

Suryani, D., (2015), Pengaruh Model Pembelajaran *Open Inquiry* dan *Guided Inquiry* Terhadap Penguasaan Konsep Siswa SMP pada Tema Suhu dan Perubahan. *Prosiding Simposium Nasional Inovasi dan Pembelajaran Sains 2015* (SNIPS 2015). ISBN: 978-602-19655-8-0.

Suyanti., (2010), *Strategi Pembelajaran Kimia.* Edisi Pertama. Yogyakarta; Graha Ilmu.

Tatli, Z., Alipasa, A., (2013), Effect of a Virtual Chemistry Laboratory on Students Achievement. *Educational Technology & Society, 16(1), 159-170.*

Trianto., (2010), *Model Pembelajaran Terpadu,* Bumi Aksara; Jakarta.

Usman., (2013), Penerapan Model Pembelajaran Berbasis Masalah Melalui Pendekatan Inkuiri Terbimbing Dalam Pencapaian Kecakapan Ilmiah Mahasiswa Tingkat Pertama Program Studi Pendidikan Fisika Universitas Muhammadiyah Makassar. *Jurnal Sainsmat. ISSN 2086-6755.*

Vilalba, C. M., Alfonso, U., Sebastian, D., (2008), Object-oriented modelling of virtual-labs for education in chemical process control. *Computers and Chemical Engineering 32 (2008) 3176–3186.*

Vlassi, M., (2013), The Comparison Between Guided Inquiry And Traditional Teaching Method. A Case Study For The Teaching Of The Structure Of Matter To 8th Grade Greek Students. *Procedia - Social and Behavioral Sciences 93 (2013) 494 – 497.*

Waluyo., (2014), *Pengembangan Panduan Praktikum Berbasis Inkuiri Terbimbing Tema Fotosintesis Untuk Menumbuhkan Keterampilan Kerja Ilmiah Siswa SMP*. Skripsi. Fakultas Matematika Dan Ilmu Pengetahuan Alam. Universitas Negeri Semarang.

Wheeler, C., (2015), Review of Laboratory Techniques in Organic Chemistry: Supporting Inquiry-Driven Experiments, 4th Edition. Natural Sciences and Mathematics Division, Southeast Kentucky Community and Technical College, Cumberland, Kentucky 40823, United States. *J. Chem. Educ. 2015, 92, 1433−1434.*

William, C., (2014), *Attracting STEM Talent: Do STEM Students Prefer Traditional Or Work/Life-Interaction Labs*. Department of Human

Development, Cornell University, Ithaca, New York, United States of America. February volume 9.

Xu, H., Vicente, T., (2012), Effect of The Level of Inquiry of Lab experiments On General Chemistry Students Written Reflections. *Journal Of Chemical Education. 90, 21-28.*

Xu, H., Vicente, T., (2012), Effect of The Level of Inquiry on Student Interactions In Chemistry laboratories. *Journal Of Chemical Education, 90, 29-36.*

Zulaiha., (2014), Pengembangan Buku Panduan Praktikum Kimia Hidrokarbon Berbasis Keterampilan Proses Sains Di SMA. Universitas Sriwijaya. *J.Pen. Pend.Kim, 2014, 1(1), 87—93.*