

DAFTAR PUSTAKA

- Akbar, S. (2016). *Instrumen Perangkat Pembelajaran*. Bandung: Remaja Rosdakarya.
- Alan. (2012). *Lembar Kerja Peserta Didik yang Mudah Digunkana*. Jakarta: Gramedia.
- Ali Syahbana. (2012). Peningkatan Kemampuan Berpikir Kritis Matematis Siswa SMP melalui Pendekatan Contextual Teaching and Learning. *Jurnal Edumatica, Volume 02 Nomor 1, Hal. 45-57*.
- Andi Prastowo. (2015). *Panduan Kreatif Membuat Bahan Ajar Inovatif*. Yogyakarta: Diva Press.
- Awolaju, B.A. (2016). Instructional Material as Correlates of Students' Academic Performance in Biology in Senior Secondary Schools in Osun State. *International Journal of Information and Education Technology, 6(9): 705-708*.
- Arsyad, A. (2004). *Media Pembelajaran*. Jakarta: Raja Grafindo Persada.
- Azhar Arsyad. (2011). *Media Pembelajaran*. Jakarta: PT. Raja Grafindo Persada.
- Bukit, N. S., Jurubahasa, & Tarigan R. (2013). Pemanfaatan Sumber Belajar Berbasis *Contextual Teaching and Learning* dalam upaya peningkatan Kualitas pembelajaran Fisika Umum I. *Jurnal Pendidikan Fisika Indonesia*. : 18-19.
- Chingos, M. M. & Whitehurst, G. J. (2012). *Choosing Blindly Instructional Material, Teacher Effectiveness and The Common Core*. Brookings: Brown Center Education Policy.
- Dharma Kesuma, Dody Hermana, Dadang Supardan, dan Gunawan Undang. (2010). *Contextual Teaching and Learning: Sebuah Panduan Awal dalam Pengembangan PBM*. Yogyakarta: Rahayasa.
- Dody Hermana. (2010). *Menyusun Model Pembelajaran Contextual Teaching and Learning (CTL)*. Yogyakarta: Rahayasa.
- Eko Putro Widoyoko. (2009). *Evaluasi Program Pembelajaran*. Yogyakarta: Pustaka Pelajar.
- Erma Octiviani Sakti. (2013). Penerapan Pendekatan Kontekstual (CTL) untuk Meningkatkan Hasil Belajar Siswa dalam Pembelajaran IPA Materi jenis-jenis Tanah di Kelas V. *Abstrak Skripsi*. Diakses dari <http://repository.upi.edu/id/eprint/10586> pada 24 Maret 2015.
- Facione, Peter A. (1990). *Critical Thinking: A Satatement of Expert Consensus for Purposes of Educational Assessment and Instruction*. Fullerton: California State University.

- Fadel , C. 2008. 21-stCentury Skill: How can you prepare students for the new global economy?, Paris: OECD
- Fisher, Alec. (2008). *Berpikir Kritis: Sebuah Pengantar*. (Terjemahan Banyamin Hadinata). Jakarta: Penerbit Erlangga.
- Fuad, N. M., Zubaidah, S., Mahanal, S., & Suarsini, E. (2017). Improving Junior High Schools' Critical Thinking Skills Based on Test Three Different Models of Learning. *International Journal of Instruction*, 10(1): 101-116.
- Fung, D. (2014). Promoting Critical Thinking through Effective Group Work: A Teaching Intervention fo Hong Kong Primary School Students. *International Journal of Educational Research*, 66: 45-62.
- Griffin, P., McGaw, B., & Care, E. (2012). *Assessment and Teaching of 21st Century Skills*. Dordrecht: Springer.
- Harrell, P. E. (2010). Teaching an Integrated Science Curriculum: Linking Teacher Knowledge and Teaching Assignment. *Issues in Teacher Education*, 19(1): 145-165.
- Harry, D. P. (2017). *Development of Student Worksheet to Improve The Ability of Mathematical Problem Posing*. International Journal on Emerging Mathematics Education (IJEME). Vol. 1, No. 1. pp. 1-10.
- Hasruddin, Muhammad Yusuf Nasution, & Salwa Rezeqi. (2015). Application of Contextual Learning to Improve Critical Thinking Ability of Students in Biology Teaching and Learning Strategies Class. *International Journal of Learning, Teaching and Educational Research Vol. 11, No. 3, pp.109-116*.
- Hidayat. (2013). *Panduan Kreatif untuk Membuat Bahan Ajar*. Yogyakarta: Diva Press.
- Hosnan. (2014). *Pendekatan Sainifik dan Kontekstual dalam Pembelajaran Abad 21*. Bogor: Ghalia Indonesia.
- I Wayan Sadia. (2008). Model Pembelajaran yang Efektif untuk Meningkatkan Keterampilan Berpikir Kritis (Suau Persepsi Guru). *Jurnal Pendidikan dan Pengajaran UNDIKSHA*, No. 2 . 219-238.
- Johnson, Elaine B. (2009). *Contextual Teaching and Learning: Menjadikan Kegiatan Belajar Mengajar Mengasyikkan dan Bermakna*. (Terjemahan Ibnu Setiawan). Bandung: Mizan Learning Center.
- Ominia Pratama. (2014). Pengembangan Modul IPA Berbasis Pendekatan Contextual Teaching and Learning (CTL) untuk Meningkatkan Keterampilan Berpikir Kritis Siswa SMP/MTs. *Skripsi*, Tidak Dipublikasikan. Universitas Negeri Yogyakarta.

- Kobzeva, N. (2015). Scrabble as a Tool for Engineering Students' Critical Thinking Skills Development. *Procedia – Social and Behavioral Sciences*, 182: 369-374.
- Kurniasih, I., & Berlin, S. (2014). *Implementasi Kurikulum 2013 Konsep dan Penerapan*. Surabaya: Kata Pena.
- Lang, M. & Olson, J. (2000). Integrated Science Teaching as a Challenge for Teachers to Develop New Conceptual Structures. *Research in Science Education*, 30(2): 213-224.
- Lewis, A., & Smith, D. 1993. Defining higher order thinking theory into practice, 32 (3), hal 131-137
- Mahanal, S., Zubaidah, S., Bahri, A., & Syahadatud, D. M. (2016). Improving Students' Critical Thinking Skills Through Remap NHT in Biology Classroom. *Asia-Pacific Forum on Science Learning and Teaching*, 17(2).
- Martin, J. (2007). The 17 Great Challenges of The Twenty-First Century. *The Futurist*, 41(1): 20.
- Masnur Muslich. (2007). *KTSP: Pembelajaran Berbasis Kompetensi dan Kontekstual*. Jakarta: Bumi Aksara.
- McDonald, S. D. (2017). Enhanced Critical Thinking Skills Through Problem-Solving Games in Secondary Schools. *Interdisciplinary Journal of e-Skills and Lifelong Learning*, 13: 79-76.
- Media in Cooperation with Searching Technique to Enhance Critical Thinking of Undergraduate Students. *Procedia – Science and Behavioral Sciences*, 174: 2027-2030.
- Muhafid, E.A., Dewi, N. R., & Widiyatmoko, A. (2013). Pengembangan Modul IPA Terpadu Berpendekatan Keterampilan Proses pada Tema Bunyi di SMP Kelas VIII. *Unnes Science Educational Journal*, 2(1): 140-148.
- Nasrun. (2014). Contextual Learning Approach in Improving Critical Thinking Skills of Guidance and Counseling Students of State University of Medan. *International Journal of Sciences: Basic and Applied Research (IJSBAR)*, Volume 18, No. 1, pp. 151-161.
- Nurhaidah. (2014). *Pengembangan Lembar Kerja Siswa Matematika*. Bandung: UPI.
- Nwike, M.C. & Catherine, O. (2013). Effect of Use of Instructional Materials on Students Cognitive Achievement in Agricultural Science. *Journal of Educational and Social Research*, 3(5): 103-107. OECD. (2016). *PISA 2015: PISA Results in Focus*. Paris: OECD

- Olayinka, A. B. (2016). Effects of Instructional Materials on Secondary School Students' Academic Achievement in Social Studies in Ekiti State, Nigeria. *World Journal of Education*, 6(1): 32-39.
- Peraturan Menteri Pendidikan dan Kebudayaan Nomor 20 Tahun 2016 tentang Standar Kompetensi Lulusan Pendidikan Dasar dan Menengah.
- Poppy. 2009. Pengembangan Perangkat Pembelajaran. Bandung: P4TK IPA
- Prastowo, A. (2014). *Pengembangan Bahan Ajar Tematik, Tinjauan Teoritis dan Praktis*. Jakarta: Kencana.
- Rahmawati, I., Hidayat, A., & Rahayu, Sri. (2016). "Analisis Keterampilan Berpikir Kritis Siswa SMP Pada Materi Gaya dan Penerapannya". *Prosiding Seminar Nasional Pend. IPA Pascasarjana UM*. Malang: Pascasarjana UM.
- Rizqi, A. M., Parmin, P., & Nurhayati, S. (2013). Pengembangan Modul IPA Terpadu Berkarakter Tema Pemanasan Global untuk Siswa SMP/ MTs. *Unnes Science Education Journal*, 2(1): 203-208.
- Rusman. (2014). *Model-model Pembelajaran: Mengembangkan Profesionalisme Guru Edisi Kedua*. Jakarta: PT Raja Grafindo Persada.
- Sani, R. A. 2018. *Pembelajaran berbasis HOTS (Higher Order Thinking Skills)*. Tira Smart: Tangerang
- Sanjaya, Wina. 2013. *Strategi Pembelajaran (Orientasi Standar Proses Pendidikan)*. Jakarta: Kencana.
- Sepriyanti, Nana. 2016. *Pembelajaran Kalkulus Kontekstual (Suatu Modifikasi Model)*. Jakarta: Rajawali Pers.
- Sepriyanti, Nana . 2017. *Calculus Based On Contextual Teaching Model To Cultivate Student's Activity , Interest And Mathematical Connection Ability. International Journal Of Scientific & Technologi Research (IJSTR)*. Vol.6, No.10.
- Simbolon, N., & Saragi E. (2013). Penerapan Strategi Pembelajaran *Contextual Teaching and Learning* dalam dalam Meningkatkan Kreativitas Belajar Siswa pada Pembelajaran Sains.. *Jurnal Inpafi*, 3 (1) : 45-46.
- Sunarti. (2009). *Metode-metode Penelitian*. Bandung: Alfabeta.
- Syukrimansyah, S., Hasan, M., & Safitri, R. (2017). Pengembangan Modul Pratikum Berbasis Pendekatan PACE (Planing, Activities, Class discussion, Exercise) untuk Meningkatkan Motivasi Belajar siswa pada Materi Listrik Dinamis kelas IX di SMP Negeri 10 Takengon Kabupaten Aceh Tengah. *Jurnal Penelitian Pendidikan Sains*, 6(2): 1317-1323

- Thaiposri, P. & Wannapiroon, P. (2015). Enhancing Students' Critical Thinking Through Teaching and Learning by Inquiry-Based Learning Activities Using Social Network and Cloud Computing. *Procedia – Social and Behavioral Sciences*, 174: 2137-2144.
- Thiagarajan, Semmel, & Semmel. (1974). *Instruction Development for Training Teachers of Exceptional Children*. Bloomington: Indiana University.
- Trianto. (2007). *Model-model Pembelajaran Inovatif Berorientasi Konstruktivistik*. Jakarta: Prestasi Pustaka Publisher.
- Tseng, S. S. (2015). Concept-Mapping Tools and the Development of Students' Critical-Thinking Skills. *Educational Technology*, 55(5): 39-43.
- Wagner, T. (2010). *Overcoming The Global Achievement Gap*. [Online]. Diakses dari: <https://www.cosa.k12.or.us/downloads/profdev/Seaside%202009/Tony%20Wagner.pdf>
- Wahyu, E., Fathurohman, A., & Sardianto. (2016). Analisis Buku Siswa Mata Pelajaran IPA Kelas VIII SMP/MTs Berdasarkan Kategori Literasi Sains. *Jurnal Inovasi dan Pembelajaran Fisika*.
- Wallace, E. D. & Jefferson, R. N. (2015). Developing Critical Thinking Skills: Assessing The Effectiveness of Workbook Exercises. *Journal of College Teaching and Learning – Second Quarter*, 12(2):101-108.
- Wannapiroon, P. (2014). Development of Research-Based Blended Learning Model to Enhance Graduate Students' Research Competency and Critical Thinking Skills. *Procedia – Social and Behavioral Sciences*, 136: 486-490.
- Yuliati, L. (2013). Efektivitas Bahan Ajar IPA Terpadu Terhadap Kemampuan Berpikir Tingkat Tinggi Siswa SMP. *Jurnal Pendidikan Fisika Indonesia*, 9: 53-57.
- <https://edukasi.kompas.com/read/2019/12/07/10225401/skor-pisa-2018-peringkat-lengkap-sains-siswa-di-78-negara-ini-posisi>