

REFERENCES

- Andina, E. 2011. Buku Digital dan Pengaturannya. *Aspirasi*, 2(1):119-146.
- Arikunto, S. 2009. *Prosedur Penelitian Suatu Pendekatan Praktek*. Jakarta: Rineka Cipta.
- Arikunto, S. 2009. *Dasar-dasar Evaluasi Pendidikan*. Jakarta: Bumi Aksara.
- Arsyad, A. 2007. *Media Pembelajaran*. Jakarta: Raja Grafindo Persada.
- Atteweil and Battle.1999. *Educational Technology for Teaching and Learning*. Upper Saddle River, NJ : Pearson Merrill Prentice Hall.
- Ayeni, AJ & Adelabu MA. 2012. Improving learning infrastructure and environment for sustainable quality assurance practice in secondary schools in Ondo State, South-West, Nigeria. *International Journal of Research Studies in Education*, 1(1):61-68.
- Onadeko. 2010. Impacts of Learning Management System on Learner Autonomy. *International Education Studies*, 3 (3): 3-11
- Bates and Wulf. 1996. *Web-Based Instruction. Educational Technology Publications*. New Jersey: Englewood Cliffs.
- Benson and Grove. 2000. *Self-Directed Learning*. In T. Husen & T. N. Postlewaite (Eds), *The International Encyclopedia of Education (second edition)* Oxford: Porgomon Press.
<http://home.twcnny.rr.com/hiemstra/sdlhdbk.html/> diakses pada tanggal 21 Oktober 2014.
- Brown, Sally. 2003. *Computer Assisted Assessment in Higher Education*. New Delhi: Cres Publishing House.
- Budiningsih, C. Asri. 2004. *Belajar dan Pembelajaran*. Jakarta: Rineka Cipta.
- Chen-Feng Wu et all. 2014. "A study of the effects of electronic textbook- aided remedial teaching on students' learning outcomes at the optics unit." *International Journal of Computer Science & Information Technology (IJCSIT)*, 6:4: 205-212.
- Dale E. 1946. *Audio-Visual Methods in Teaching*. New York: Dryden Press.
- Dick, W and Carey, L. 2001. *The Sistematic Desain of Instruksional*. Boston: Allyn and Bacon.
- Djamarah. 2002. *Strategi Belajar Mengajar*. Jakarta: Rineka Cipta.

- Embong AM, Azelin MN & Zulkarnain. 2012. Teachers' perceptions on the use of e-book as textbook in the classroom. *World Academy of Science, Engineering and Technology*, 70 (2012):580-586.
- Fuchs and Woessman.2007. Teaching the Virtual Generation. *The Academy of Management Learning and Education*, 6(1): 69-80.
- Fried, George. 2005. *Biologi Schaum Outline*. Jakarta: Gelora Aksara Pratama.
- Gorghiu. 2011. The electronic book - a modern instrument used in teachers' training process. *Procedia Computer Science*, 3 (2011):563-567.
- Jippes, et all. 2009. A Conceptual Model for Under Standing Self-Directed Learning in Online Environments. *Journal of Interactive Online Learning*, Volume 6, Number 1. University of Georgia.
- John. 2000. *Research in Education*. New Jersey: Prentice Hall.
- Jumiati. 2009. Skripsi. FMIPA. Yogyakarta: UIN Kalijaga.
- Karnoto. 1996. *Evaluasi Hasil Belajar*. Jakarta: PT Indeks.
- Kochhar. 2006. *Self-Efficacy: An Essential Motive to Learn. Contemporary Educational Psychology*, 25:82-91.
- Kulik. 2009. Student's perceptions of blended web-based learning environment. *Learning Environment Research*, 12, 31-44.
- Li and Roblyer, M. D. 2008. *Integrating Educational Technology Into Teaching. Upper Saddle River*. New York : Pearson Merrill Prentice Hall.
- Mayer. 2001. *Instructional Media and Technologies for Learning*. New Jersey: Prentice Hall.
- Mayer RE & Anderson RB. 2011. The instructive animation: helping students build connections between words and picture in multimedia learning. *Journal of Educational Psychology*, 84(1):444-452.
- Mayer RE & Moreno R. 2000. Aids to computer-based multimedia learning. *Learning and Instruction*, 12 (2002):107-119.
- Mudzakir A.S. 2009. *Penulisan buku teks yang berkualitas (Disertasi)*. Bandung: Universitas Pendidikan Indonesia.
- Mulyanta and Leong. 2009. *The Design Development and Education of Instructional Software*. New York : Mc. Millan Publ.
- Nisa, Raihan. 2010. *Skripsi*. FIP. Medan: Unimed.

- Nurhayati, Nunung. 2006. *1700 Bank Soal Biologi*. Jakarta: Yrama Widya
- Nurkencana. 1995. *Evaluasi Pendidikan*. Surabaya: Usaha Nasional.
- O'Day, D.H. 2008. Using Animation to Teach Biology: Past and Future Research on the Attributes that Underline Pedagogically Sound Animation. *The American Biology Teacher*, 5(1):274-278.
- Prastowo, A. 2011. *Panduan Kreatif Membuat Bahan Ajar Inovatif (Menciptakan Metode Pembelajaran yang Menarik dan Menyenangkan)*. Yogyakarta: Diva Press.
- Priadi, Arif. 2009. *Biology 2 for Senior High School*. Jakarta: Yudhistira.
- Priyanto S.H. 2012. *Kriteria Baku Buku Ajar. Makalah disampaikan pada Workshop Penulisan Buku Ajar Dosen Kopertisi VI*. UKSW. Salatiga 31 Mei– 1 Juni 2012.
- Pusat Teknologi Informasi dan Komunikasi Pendidikan. 2008. *BSE Buku Sekolah Elektronik*. Jakarta: Departemen Pendidikan Nasional.
- Ramdania D.R, Sutarno. H & Waslaluddin. 2007. Penggunaan media flash flip book dalam pembelajaran teknologi informasi dan komunikasi untuk meningkatkan hasil belajar siswa. *Jurnal Pendidikan* 1(1):1-6.
- Rusman, Deni K., Cepi R. 2011. *Pembelajaran Berbasis Teknologi Informasi dan Komunikasi: Mengembangkan Profesionalitas Guru*. Jakarta: Rajawali Pers.
- Sanjaya,Wina. 2006. *Strategi Pembelajaran*. Jakarta: Kencana.
- Slavin and Baden. 2007. *Instructional Media and Technologies for Learning*. New Jersey: Prentice Hall.
- Shahreri M. 2012. The relationship between happiness and academic achievement from Hae'1 University Students, Perspective in the Kingdom of Saudi Arabia. *European Journal Social Science*, 36(1): 59-68.
- Shideqy DA & Lestari. 2010. *Pemanfaatan Buku Elektronik untuk Pembelajaran di Sekolah*. Jakarta : Departemen Pendidikan Nasional.
- Silitonga, P.M. 2011. *Statistik Teori dan Aplikasi dalam Penelitian*. Medan: FMIPA Unimed.
- Simkin MG & Kuechler WL. 2005. Multiple-choice test and student understanding: what is the connection?. *Decision Sciences Journal of Innovative Education*, 3(1):73-97.

Smaldino E.s. 2008. *Instructional Technology and Media for Learning*. New Jersey: Upper Saddle River.

Soenarto S. 2006. Multimedia-based learning as an effort to improve students' learning achievement and perception. *Journal of Education*, 2(1):1-12.

Stanrock. Student's achievement in human circulatory system unit: the effect of reasoning ability, self efficacy and gender. *Journal of Science Education and Technology*, 12 (1), 59-64.

Sudjana, N. 2002. *Metode Statistika*. Bandung : Tarsito.

Sudjana, N. 2009. *Penilaian Hasil Proses Belajar Mengajar*. Bandung: Remaja Rosdakarya

Sudjono A. 2011. *Pengantar Statistika Pendidikan*. Jakarta: PT Raja Grafindo Persada.

Sugiyono. 2011. *Metode Penelitian Kualitatif, Kuantitatif dan R&D*. Bandung: Alfabeta.

Sutrisno. 2011. *Pengantar Pembelajaran Inovatif*. Jakarta: Gaung Persada Press.

Swisher. 2007. Student's achievement in human circulatory system unit: the effect of reasoning ability and gender. *Journal of Science Education and Technology*, 12 (1), 59-64.

Willerman and M. Harg .2002. Affect, ability and science achievement: a quantitative synthesis of correlational research. *Review of Educational Research*, 53 (3), 369-396.

Zhang D, Zhou L, Briggs RO & Nunamaker JF. 2006. Instructional video in e-learning: assessing the impact of interactive video on learning effectiveness. *Information and Management*, 43(1):15-27.

Zopino, Tomi. 2007. *Juara Olimpiade Biologi*,. Jakarta: Andi

Websites and Other Sources:

www.sciencephoto.com accessed 8th October 2014

www.instruct.wesvalley.com accessed 8th October 2014

<http://www.biologycriticalquestion.com> accessed 8th October 2014

<http://www.edcoexamcentre.ie> accessed 8th October 2014