

REFERENCES

- Anderson, L. W., Krathwohl, D. R., and Bloom, B. S. (2001). *A taxonomy for learning, teaching, and assessing: A revision of Bloom's taxonomy of educational objectives*. New York: Longman.
- Ary, D., Jacobs. L. C., Sorensen, C., and Razavieh. A. (2010). *Introduction to Research in Education (8th edition)*. Belmont: Cengage Learning.
- Awofala, A. O., Arigbabu, A. A., and Awofala, A. A. (2013). Effects Of Framing And Team Assisted Individualised Instructional Strategies On Senior Secondary School Students'attitudes Toward Mathematics. *Acta Didactica Napocensia*, 6(1), 1.
- Awofala, A. O., and Nneji, L. M. (2012). Effect of framing and Team Assisted Individualised Instructional Strategies on Students' Achievement in Mathematics. *Journal of the Science Teachers Association of Nigeria*, 43(3), 20-28.
- Boopathiraj, C. and Chellamani, K. (2013). Analysis of Test Items on Difficulty Level and Discrimination Index in the Test for Research in Education. *International Journal of Social Science and Interdisciplinary Research*, 2 (2), 189-193.
- Creswell, J. W. (2012). *Educational Research (4th Edition)*. Botson: Pearson.
- Cutnell, J. D. And Johnson, K. W. (2007). *Physics (7th Edition)*. Hoboken : Wiley.
- Crocker, L. and Algina, J. (2008) .*Introduction to Classical and Modern Test Theory*. Mason : Cengage.
- Ekowati, R. (2013). *Meningkatkan Motivasi Belajar Siswa pada Pembelajaran IPA dengan Metode Discovery* . Pontianak: Universitas Tanjungpura.
- Fraenkel, J. R., Wallen, N. E., and Hyun, H. H. (2011). *How to Design and Evaluate Research in Education (8th edition)*. New York: Mc Graw Hill.
- Felder, R. M., and Brent, R. (2005). Understanding Student Differences. *Journal of Engineering Education*, 94 (1), 57-72.
- Giancoli, D. C. (2005). *Physics: Principles with Applications (6th Edition)*. London: Pearson Education.
- Gilakjani, A. P. (2012). Visual, Auditory, Kinaesthetic Learning Styles and Their Impacts on English Language Teaching. *Journal of Studies in Education*, 2 (1), 104-113.

- Hake, R. R. (1999). *Analyzing Change/Gain Score*. Indiana University.
- Halliday, D., Resnick, R., and Walker, J. (2000). *Fundamental of Physics*. New York : Wiley.
- Hatami, S. (2013). Learning Styles. *ELT Journal*, 67 (4), 488-490.
- Hewitt, P. G. (2010). *Conceptual Physics (11th edition)*. St. Petersburg : Pearson.
- Kementrian Pendidikan dan Kebudayaan. (2013). *Kurikulum 2013 : Kompetensi Dasar : Sekolah Menengah Pertama (SMP)/ Madrasah Tsanawiyah (MTs)*. Jakarta: Kementrian Pendidikan dan Kebudayaan.
- Kaplan, R. M. and Saccuzzo, D. P. (2013). *Psychological Testing : Principles, Application and Issues (8th edition)*. Belmont: Cengage Learning.
- Leung, A., McGregor, M., Sabiston, D., Vriliotis, S. (2014). VARK Learning Styles and Student Performance In Principles Of Micro- Vs. Macro-Economics. *Journal of Economic and Economic Education Research*, 15 (3), 113-120.
- Litzinger, T. A., Lee, S. H., Wise, J. C., and Felder, R. M. (2007). A Psychometric Study of the Index of Learning Styles. *Journal of Engineering Education*, 96(4), 309-319.
- Organization for Economic Co-operation and Development (OECD). (2014). *PISA 2012 Results: What Students Know and Can Do – Student Performance in Mathematics, Reading and Science (Volume I, Revised edition, February 2014)*. [Online]. Retrieved from <http://dx.doi.org/10.1787/9789264201118-en>. [Accessed on October 2, 2015].
- Olatoye, R. A., Aderogba, A. A., and Aanu, E. M. (2011). Effect of co-operative and individualized teaching methods on senior secondary school students' achievement in Organic Chemistry. *The Pacific Journal of Science and Technology*, 12(2).
- Olatunji, M.O. (2013). Teaching and Assessing of Affective Characteristics: A Critical Missing Link in Online Education. *Middle Eastern and African Journal of Educational Research*, 2, 14-27.
- Peraturan Menteri Pendidikan dan Kebudayaan Republik Indonesia No. 81A year 2013 regarding Implementasi Kurikulum. Jakarta : Kementrian Pendidikan dan Kebudayaan.
- Popoola, S. A., and Hendricks, C. S. (2014). Learning Styles of First-Semester Baccalaureate Nursing Students: A Literature Review. *Institute for Learning Styles Journal*, 1, 1-10.

- Prashnig, B. (2007). *The Power of Learning Style : Memacu Anak Melejitkan Prestasi dengan Mengenal Gaya Belajarnya*. Bandung : Mizan.
- Serway, R. A. (2012). *College Physics (9th edition)*. Boston : Cengage Learning.
- Shier, R. (2004). Mathematics Learning Support Centre : Statistic : Paired t-test. [Online]. Retrieved from www.statstutor.ac.uk/resources/uploaded/paired-t-test.pdf. [Accessed on August 5, 2016].
- Slavin, R. E. (1985). *Team-Assisted Individualization : Combining Cooperative Learning and Individualized Instruction in Mathematic*. [Online]. Retrieved from <http://gen.lib.rus.ec/>. [Accessed on September 5, 2015].
- Slavin, R. E. (2011). *Instruction Based on Cooperative Learning*. New York: Routledge.
- Sulisworo, D. and Suryani, F. (2014). The Effect of Cooperative Learning, Motivation and Information Technology Literacy to Achievement. *International Journal of Learning & Development*, 2 (2), 58-64.
- Suparno, P. (2014). *Metode Penelitian Pendidikan IPA*. Yogyakarta : Universitas Sanata Dharma.
- Sutikno, W. Y. (2004). The Status of Science Classroom Learning Environments in Indonesian Lower Secondary Schools. *Learning Environments Research*, 7(1):43-63.
- TESL, Sultan Idris Education University. (2013). *Distractor Analysis*. [Online]. Retrieved from <http://languagetestitemanalysis.weebly.com/1/post/2013/12/distractor-analysis.html>. [Accessed on December 15, 2015].
- VARK Learn Limited. (2016). *The VARK Questionnaire: How Do I Learn Best?*. [Online]. Retrieved from <http://vark-learn.com/the-vark-questionnaire/>. [Accessed on March 25, 2016]
- VARK Learn Limited. (2016). *The VARK Modalities*. [Online]. Retrieved from <http://vark-learn.com/introduction-to-vark/the-vark-modalities/>. [Accessed on March 25, 2016]
- Wisudawati, A. W. And Sulistyowati, E. (2014). *Metodologi Pembelajaran IPA*. Jakarta: Bumi Aksara.

Fitriani Sondari, 2016

*STUDENTS' CONCEPTUAL UNDERSTANDING IN LEARNING OPTIC BASED ON LEARNING STYLE USING
TEAM ASSISTED INDIVIDUALIZED (TAI)*

Universitas Pendidikan Indonesia | repository.upi.edu | perpustakaan.upi.edu