

REFERENCES

- Abubakar, A. S., & Adebayo, F. O. (2014). Using Computer Based Test Method for the Conduct of Examination in Nigeria: Prospects, Challenges and Strategies. *Mediterranean Journal of Social Sciences*, 5(2), 47-55.
- Alabi, D. A., Issa, D. A., & Oyekunle, R. A. (2012). The Use of Computer Based Testing Method for the Conduct of Examinations at the University of Ilorin. *International Journal of Learning & Development*, 2(3), 68-80.
- Andreou, C., Papastavrou, E., & Merkouris, A. (2014). Learning styles and critical thinking relationship in baccalaureate nursing education: A systematic review. *Nurse Education Today*, 34(3), 362-371.
- Arikunto, S. (2013). *Dasar-dasar Evaluasi Pendidikan Edisi Kedua*. Jakarta: Paragonatama Jaya.
- Boevé, A. J., Meijer, R. R., Albers, C. J., Beetsma, Y., & Bosker, R. J. (2015). Introducing Computer-Based Testing in High-Stakes Exams in Higher Education: Results of a Field Experiment. *PLoS ONE*, 10(2), 1-13.
- Butler, H. (2012). Halpern Critical Thinking Assessment Predicts Real-World Outcomes of Critical. *Applied Cognitive Psychology*. doi: 10.1002/acp.2851
- Callicot J., B. & Mumford K. (1997). Ecological Sustainability as Conservation Concept. *Conservation Biology*, 11(1), 32-40.
- Campbell, N. A., Jane B. Reece, L. A., Cain, M. L., Wasserman, S. A., Minorsky, P. V., & Jackson, R. B. (2011). *Biology 9th Edition*. San Fransisco, CA: Pearson.
- Chua, Y. P. (2012). Effects of Computer-Based Testing on Test Performance and Testing Motivation. *Computers in Human Behavior*, 28, 1580–1586.
- Chumbley, S. B, Haynes, J. C., Stofer, K. A. (2015). A Measure of Students' Motivation to Learn Science Through Agricultural STEM Emphasis. *Journal of Agricultural*, 56(4), 107-122.
- Çimer, A., Timuçin, M., & Kokoç, M. (2013). Critical Thinking Level of Biology Classroom Survey: CTLOBICS. *The Online Journal of New Horizons in Education*, 3(1): 15-24.

R Auliya Ulul 'Illmi F', 2017

THE PROFILE OF STUDENTS' CRITICAL THIKING MEASURED THROUGH SCIENCE VIRTUAL TEST ON9TH GRADE IN THE THEME OF LIVING THINGS AND ENVIRONMENTAL SUSTAINABILITY

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

- Crawford, A., Saul E. W., Mathews S., & Makinster, J. (2005). *Teaching and Learning Strategies for the Thinking Classroom*. New York, NY: International Debate Education Association.
- Creswell, J. W. (2012). *Educational Research 4th Edition: Planning, Conducting, and Evaluating Qualitative and Quantitative Research*. Boston, MA: Pearson Education Inc.
- Dascalu, C. G., Enache, A. M., Mavru, R. B., & Zegan, G. (2015). Computer Based MCQ for Students in Dental Medicine - Advantages and Drawbacks. *Procedia - Social and Behavioral Science*, 187, 22-27.
- Drasgow F. & Mattern K. (2006). *New Test and New Items: Opportunities and Issues*. In Bartram D. & Humbleton R. K. (Editor). *Computer Based Testing and the Internet Issues and Advances* (pg. 59-75). West Sussex: John Wiley & Sons, Ltd.
- Deutsch, T., Hermann, K., Frese, T., & Sandholzer, H. (2012). Implementing Computer-Based Assessment – A Web-Based Mock Examination. *Computers and Education*, 58(4),1068-1075.
- Elvi. (2015). *Harian Terbit*. [Online]. Retrieved from <http://www.harianterbit.com/hanteriptek/read/2015/04/25/26445/33/22/Mata-Pelajaran-TIK-di-Kurikulum-2013-Berubah-Bentuk> [Accessed on October, 23 2016].
- Fahim, M. & Pezeshki, M. (2012). Manipulating Critical Thinking in Test Taking. *International Journal of Education*, 4(1), 153-160.
- Fahim, M. & Hajimaghsoodi, A. (2014). The Relationship between Motivation and Critical Thinking Ability of Iranian EFL Learners. *International Journal of Language Learning and Applied Linguistics*, 5(2), 605-619.
- Fisher, A. (2001). *Critical Thinking: An Introduction*. Cambridge: Cambridge University Press.
- Fleming, N. D., & Mills. (1992). Not Another Inventory, Rather a Catalyst for Reflection. *To Improve the Academy*, 11, 137-155.
- Fleming, N. (2012). *Teaching and Learning Styles: VARK Strategies*. Christchurch: Self-published.
- Fraenkel J. R, Wallen N. E., & Hyun H. H. (2012). *How to Design and Evaluate Research in Education*. New York, NY: McGrawhill.
- Ghazivakili, Z., Nia, R. N., Panahi, F., Karimi, M., Gholsorkhi, H., & Ahmadi, Z. (2014). The Role of Critical Thinking Skills and Learning Styles of

R Auliya Ulul 'Illmi F', 2017

THE PROFILE OF STUDENTS' CRITICAL THINKING MEASURED THROUGH SCIENCE VIRTUAL TEST ON 9TH GRADE IN THE THEME OF LIVING THINGS AND ENVIRONMENTAL SUSTAINABILITY

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

University Students in Their Academic Performance. *Journal of Advances in Medical*, 2(3), 95-102.

- Glaser, E. M. (2016). *An Experiment in the Development of Critical Thinking*. [Online]. Retrieved from Teacher's College, Columbia University,: <http://www.criticalthinking.org/pages/index-of-articles/defining-critical-thinking/766> [Accessed on 20 December 2016].
- Glynn, S. M. & Koballa, T. R. Jr. (2006). *Motivation to Learn College Science*. In Mintzes, J. J. & Leonard, W. H (Editor). *Handbook of College Science* (pg. 25-32). New York, NY: Arlington VA: National Science Teacher Association Press.
- Glynn S. M., Brickman P., Armstrong N., & Taasoobshirazi G. (2011). Science Motivation Questionnaire II: Validation With Science Majors and Nonscience Majors. *Journal of Research in Science Teaching*, 48(10), 1159-1176.
- Gok, T. (2014). Peer Instruction in The Physics Classroom: Effects on Gender Difference Prformance, Conceptual Learning, and Problem Solving. *Journal of Baltic Science Education*, 13(6), 30-38.
- Goodland, R. (1995).The Concept of Environmental Sustainability. *Annual Review of Ecological Systems*, 26, 1-24.
- Gurian, M. (2006). *The Wonder of Boys*. New York, NY: Tarcher-Putnam.
- Halpern, D. F. (2003). *Thought and Knowledge: An Introduction to Critical Thinking*. Mahwah, NJ: Psychology Press.
- Halpern, D. F. (2012). *Sex Cognitive in Gender Differences*. New York, NY: Lawrence Erlbaum Associates.
- Hawthorne, K. A., Bol, L., Pribesh S., & Suh, Y. (2015). Effect of Motivational Prompts on Motivation, Effort, and Performance on Low Stakes Standardized Test. *Research and Practice in Assessment*, 10(-), 30-38.
- Hewit, P. G. (2006). *Conceptual Physics*. St. Petersburg: Pearson.
- Hosseini, M., Abidin, M. J., & Baghdarnia, M. (2014). Comparability of Test Results of Computer Based Testing (CBT) and Paper Pencil Test (PPT) among English Language Learners in Iran . *Procedia - Social and Behavioral Sciences*, 98, 659-667.

- Inch, E. S., Warnick, B., & Endres, D. (2006). *Critical Thinking and Communication: The Use of Reason in Argument 5th Ed.* Boston, MA: Pearson Education, Inc.
- Jones, M., Fosbery, R., Gregory, J., & Taylor, D. (2014). *Biology Course Book 4th Edition.* Cambridge: Cambridge University Press.
- Kaufman K. J. (2013). 21 Ways to 21st Century Skills: Why Students Need Them and The Ideas for Practical Implementation. . *Kappa Delta Pi Record*, 49, 78-83.
- Kemendikbud. (2016). *Kemendikbud.* [Online]. Retrieved from kemendikbud: <http://kemdikbud.go.id/kemdikbud/dokumen/Paparan/Paparan%20Wamen dik.pdf> [Accessed on October, 24 2016].
- Kemendikbud. (2016). *Kemendikbud.* [Online]. Retrieved from kemendikbud: <http://www.kemdikbud.go.id/main/blog/2016/06/peningkatan-indeks-integritas-un-harus-diikuti-dengan-peningkatan-mutu-pembelajaran> [Accessed on October, 24 2016].
- Kemendikbud. (2017). *Kemendikbud.* [Online]. Retrieved from kemendikbud: <https://ubk.kemdikbud.go.id/> [Accessed on Agustus, 5 2017].
- Kuzmina, I. P. (2010). Computer-Based Testing: Advantages and Disadvantages. *Philosophy. Psychology. Pedagogy.*, 3(1), 192-196.
- Leech, N. L., Barret, K. C., & Morgan, G. A. (2005). *SPSS for Intermediate Statistics: Use and Interpretation.* Mahwah, NJ: Lawrence Erlbaum Associates Publishers
- Leite, W. L., Svinicki, M., & Shi, a. Y. (2010). Attempted Validation of the Scores of the VARK: Learning Styles Inventory With Multitrait–Multimethod Confirmatory Factor Analysis Models. *Educational and Psychological Measurement*, 323-339.
- Mahanal. S. (2012). Strategi Pembelajaran Biologi, Gender dan Pengaruhnya Terhadap Kemampuan Berpikir Kritis. *Prosiding Seminar Nasional UNS.* 9 (1), 179-184.
- Maulida N. I, Firman H., & Rusyati L. (2017). Profile of Students' Critical Thinking Skill Measured by Science Virtual Test on Living Things and Environmental Sustainability Theme. *IOP Conf. Series: Journal of Physics: Conf. Series.* 812, 1-6.
- McMillan, J. H., & Schumacher, S. (2001). *Research in Education: A Conceptual Introduction.* New York, NY: Addison Wesley Longman.

R Auliya Ulul 'Illmi F', 2017

THE PROFILE OF STUDENTS' CRITICAL THINKING MEASURED THROUGH SCIENCE VIRTUAL TEST ON 9TH GRADE IN THE THEME OF LIVING THINGS AND ENVIRONMENTAL SUSTAINABILITY

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

- Morelli, J. (2011). Environmental Sustainability: A Definition for Environmental Professional. *Journal of Environmental Sustainability*, 1(1), 1-9.
- Muchtaridi, M., Musfiroh, I., Hambali, N. N., & Indrayati, W. (2012). Determination of Alcohol Contents of Fermented Black Tape Ketan Based on Different Fermentation Time Using Specific Gravity, Refractive Index and GC-MS Methods. *Journal of Microbiology, Biotechnology, and Food Sciences*, 2(3), 933-946.
- Nikou, S. A., & Economides, A. A. (2016). The Impact of Paper-Based, Computer-Based and Mobile-Based Self Assessment. *Computers in Human Behavior*, 55, 1241-1248.
- Norsantinia, M. & Soleimannejad A. (2016). Perceptual Learning Styles and Critical Thinking: Inspecting the association among EFL Learners. *Theory and Practice in Language Studies*, 6(6), 1220-1228.
- Oguz, A., and Atasaven, N. (2016). The Relationship between Metacognitive Skills and Motivation of University Students. *Educational Process*, 5(1), 54-64.
- OpenStax. (2013). *Biology*. [Online]. Retrieved from <http://cnx.org/content/col11448/latest/> [Accessed on October, 24 2016]
- Paul, R. & Elder, L. (2010). *Critical Thinking Development: A Stage Theory*. Santa Rosa, CA: Foundation for Critical Thinking. [Online]. Retrieved from <http://www.criticalthinking.org/>. [Accessed on July 2, 2017]
- Paul R. & Elder L. (2016). [Online]. *The Critical Thinking Community*. Retrieved from The critical thinking community: <http://www.criticalthinking.org/pages/index-of-articles/defining-critical-thinking/766> [Accessed on December, 20 2016].
- Rainbolt, G. W. & Dwyer, S. L. (2012). *Critical Thinking: The Art of Argument*. Boston, MA. Wadsworth.
- Reid, J., Robinson, D., & Lewis, C. (2016). Assessing the Evidence: Student Response System versus Computer-Based Testing for Undertaking Multiple Choice Question Assessment in Undergraduate Nursing Education. *Pediatrics and Neonatal Nursing*, 3(1), 10-14.
- Ricketts, J.C & Rudd, R. (2004). Critical Thinking Skills of FFA Leaders. *Journal of Southern Agricultural Education Research*, 54(1), 7-20.

- Rotherham A. & Willingham D. T. (2009). 21st Century Skills The Challenge Ahead. *Educational Leadership*, 67(1), 16-21.
- Rusyati, L. & Firman H. (2017). Validation of Science Virtual Test to Assess 8th Grade Students' Critical Thinking on Living Things and Sustainability Theme. *AIP Conference Proceedings*, 1848, 1-6.
- Salahshoor, N., Rafiee, M. (2016). *The Relationship between Critical Thinking and Gender: A Case of Iranian EFL Learners*. *Journal of Applied Linguistic and Language Research*, 3(2), 117-123.
- Santoso, A. (2016). *Liputan 6*. [Online]. Retrieved from Liputan 6: <http://news.liputan6.com/read/2212415/menteri-anies-buktikan-keamanan-un-2015-berbasis-komputer> [Accessed on October, 24 2016].
- Schneider, A. (2013). *Good Therapy.org*. [Online]. Retrieved from Good Therapy.org: <http://www.goodtherapy.org/blog/how-boys-learning-styles-differ-0211134> [Accessed on October, 24 2016].
- Schmeck R. (1988). *Learning Strategies and Learning Styles*. New York, NY: Springer Science + Business Media.
- Stobaugh., R. (2013). *Assesing Critical Thinking in Middle and High School: Meeting the Common Core*. New York, NY: Routledge.
- Susetyo, B. (2010). *Statistika untuk Analisis Data Penelitian*. Bandung: Refika Aditama
- Thompson, P. M. et al. (2002). Growth Patterns in the Developing Brain Detected by Using Continuum Mechanical Sensor Maps. *Nature*, 404 (1): 190-193.
- Thurlow, M., Lazarus, S. S., Albus, D., & Hodgson, J. (2010). *Computer-based Testing: Practices and Considerations*. Minneapolis: University of Minnesota, National Center on Educational Outcomes.
- U.S. Department of Health and Human Services. (2008). *Understanding Vaccine*. NIH Publication No. 08-4219.
- Van der Linden, W., J. (2006). *Model-Based Innovation in Computer Based Testing*. In Bartram D. & Humbleton R. K. (Editor). *Computer Based Testing and the Internet Issues and Advances* (pg. 39-58). West Sussex: John Wiley & Sons, Ltd.

Verawati, Arifin, S. R., Idris, R., & Hamid, N. A. A. (2010). Gender Analysis of MyCT (Malaysian Critical Thinking) Instrument. *Procedia Social and Behavioral Sciences*, 7, 70-76.