

REFERENCES

- Ahmad, A. (2019, May 24). *Research and Development (R&D)*. Accessed date 26 November 2020 from <https://www.educarepk.com/research-and-development-rd.html>
- Anshory, A.F., Muntholib, & Kusumaningrum, I.K. (2016). Identifikasi kesulitan siswa dalam menyelesaikan soal-soal reaksi redoks berdasarkan perubahan bilangan oksidasi. *Prosiding Seminar Nasional Kimia dan Pembelajarannya* (p. 119 –122). Malang: FMIPA UM
- Branch, R. M. (2009). *Instructional Design: The ADDIE Approach*. New York: Springer Science Business Media
- Brown, F.G. (1971). *Measurement and Evaluation*. Itasca, Ill: F. E. Peacock
- Caleon, I., & Subramaniam, R. (2010). Development and application of a three-tier diagnostic test to assess secondary students' understanding of waves. *International Journal of Science Education*, 32(7), 939–961. <https://doi.org/10.1080/09500690902890130>
- Clement, J., Brown, D. E., & Zietsman, A. (1989). Not all preconceptions are misconceptions: Finding “anchoring conceptions” for grounding instruction . *International Journal of Science Education*, 11, 554–565
- Dahar, R, W. 1998. *Teori – Teori Belajar*. Departemen Pendidikan dan Kebudayaan Direktorat Jendral Pendidikan Tinggi Proyek Pengembangan Lembaga Pendidikan Tenaga Kependidikan. Jakarta, Indonesia
- Dhindsa, H, S and Treagust, D, F. 2009. Conceptual Understanding of Bruneian Tertiary Students: Chemical Bonding and Structure. *Brunei International Journal of Science & Mathematic Education*. Vol. 1 (1): 33 – 51. ISSN 2076-0868

- Diani, R., Alfin, J., Anggraeni, Y.M., Mustari, M., & Fujiani, D. (2019). Four Tier Diagnostic Test With Certainty of Response Index on The Concepts of Fluid. *IOP Conf. Series: Journal of Physics: Conf. Series 1155*, doi:10.1088/17426596/1155/1/012078
- Echternacht, G. J. (1972). The use of confidence testing in objective tests. *Review of Educational Research*, 42(2), 217–236
- Fahmi. 2016. *Strategi Pembelajaran Contextual Teaching and Learning untuk Meningkatkan Keterampilan Berpikir Tingkat Tinggi. Prosiding Seminar Nasional Pendidikan IPA “Mengembangkan Keterampilan Berpikir Tingkat Tinggi Melalui Pembelajaran IPA”*. S2 IPA Unlam Press. Banjarmasin, Indonesia
- Fraenkel, J.R., Wallen, N.E., & Hyun, H.H. (2012). *How to Design and Evaluate Research in Education 8th Ed.* New York: McGraw-Hill
- Gani, A., Safitri, R., & Mahyana, M. (2017). Improving the visual-spatial intelligence and results of learning of juniour high school students“ with multiple intelligences-based students worksheet learning on lens materials. *Jurnal Pendidikan IPA Indonesia*, 6(1), 16–22. <https://doi.org/10.15294/jpii.v6i1.9594>
- Hazari, A. (2009). Misconceptions in Chemistry. In *Misconceptions in Chemistry*. <https://doi.org/10.1007/978-3-540-70989-3>
- Hasan, S., Bagayoko, D., & Kelley, E. L. (1999). Misconceptions and the certainty of response index (CRI). *Physics Education*, 34(5), 294–299. <https://doi.org/10.1088/0031-9120/34/5/304>
- Hidayati, U. N., Sumarti, S. S., & Nuryanto. (2019). Desain Instrumen Tes Three Tier Multiple Choice Untuk Analisis Pemahaman Konsep Peserta Didik. *Jurnal Inovasi Pendidikan Kimia*, 13(2), 2425 - 2436. Retrieved from <https://journal.unnes.ac.id/nju/index.php/JIPK/article/view/19382>
- Lambert, V. a., & Lambert, C. E. (2013). Qualitative Descriptive Research: An Acceptable Design. *Pacific Rim International Journal of Nursing Research*,

16(4), 255–256. <http://antispam.kmutt.ac.th/index.php/PRIJNR/article/download/5805/5064>

Mahardika, R. (2014). Identifikasi Miskonsepsi Siswa Menggunakan Certainty of Response Index (CRI) dan Wawancara Diagnosis pada Konsep Sel. Jakarta: Universitas Islam Negeri Syarif Hidayatullah

Manullang, N. E. (2020). *The Development of E-Worksheet on Chemical Bonding Topic Integrated Problem Based Learning (PBL)*. Medan: Thesis Universitas Negeri Medan

Masykuri, M., Afifa, F. N., & Ashadi. (2019). Students' misconceptions on basic concept of redox reaction. *AIP Conference Proceedings*, 2194(December 2019). <https://doi.org/10.1063/1.5139794>

National Research Institute for Chemical Technology, (2010). *Training Manual for Secondary School Chemistry Teachers and Technologists Zaria*. Authour

Nimmermark, A., Ohrstrom, L., Martensson, J., Davidowitz, B. 2016. Teaching of Chemical Bonding: A Study of Swedish and South African Students' Conceptions of Bonding. *Chemistry Education Research and Practice*. This journal is The Royal Society of Chemistry. Vol. 17: 985 – 1005. DOI: 10.1039/c6rp00106h

Nurlela, Mawardi, & Kurniati, T. (2017). Kajian Miskonsepsi Siswa Melalui Tes Multiple Choice Menggunakan Certainty Of Response Index (Cri) Pada Materi Reaksi Reduksi Oksidasi Kelas X MIPA SMAN 1 Pontianak. *Ar Razi Jurnal Ilmiah*. 5(2), 225 - 238

Nurrohmah, E.S., Susilaningsih, E., & Nuswowati, M. (2018). Instrument Design Diagnostic Test Three-Tier Multiple Choice Redox Material with Redox Diagnostic Test Software (RDT). *Journal of Innovative Science Education*, 7(2), 190 - 199

Patil, S. J., Chavan, R. L., & Khandagale, V. S. (2019). Identification of Misconceptions in Science: Tools , Techniques & Skills for Teachers. *Aarhat Multidisciplinary International Education Research Journal (AMIERJ)*, 8(2),

466–472

Pinker, S. (2003). *The blank state: Modern Denial of Human Nature*. New York: Harper

Rahayu, R.P. and Wirza, Y. (2020). Teachers' Perception of Online Learning during Pandemic Covid-19. *Jurnal Penelitian Pendidikan*. 20 (3): 392 - 406

Rajagukguk, S.U.D. (2018). *The Development of Student Worksheet Using Android on Salt Hydrolysis Materials*. Unimed Thesis

Renner, C. H., & Renner, M. J. (2001). But I thought I knew that: Using confidence estimation as a debiasing technique to improve classroom performance. *Applied Cognitive Psychology*, 15, 23–32

Salirawati, D. 2010. *Pengembangan Model Instrumen Pendeteksi Miskonsepsi Kimia Pada Peserta Didik SMA*. Disertasi Doktor. Program Pascasarjana Universitas Negeri Yogyakarta. Yogyakarta

Siswaningsih, W., Nahadi, N., & Chandratika, V. (2020). *Profile of Misconception in Senior High School Students on the Concept of Acid-Base Strength*. <https://doi.org/10.4108/eai.12-10-2019.2296380>

Stankov, L., & Crawford, J. D. (1997). *Self-confidence and performance on test of cognitive abilities*. *Intelligence*, 25(2), 93–109

Susilaningsih, E., Kasmui, dan Harjito, 2016, Desain Instrumen Tes Diagnostik Pendeteksi Miskonsepsi untuk Pemahaman Konsep Kimia Mahasiswa Calon Guru, *Unnes Science Education Journal*, Vol 5, No 3, Hal 1432-1437

Yuberti dan Antomi Saregar. 2017. *Pengantar Metodolologi Penelitian Pendidikan Matematika Dan Sains*, Bandar Lampung: CV. Anugrah Utama Raharja

Wulandari, P. I., Mulyani, B., & Utami, B. (2019). Identifikasi Miskonsepsi Siswa Menggunakan Three-Tier Multiple Choice pada Materi Konsep Redoks Kelas X MIPA SMA Batik 1 Surakarta. *Jurnal Pendidikan Kimia*, 8(2), 207. <https://doi.org/10.20961/jpkim.v8i2.26766>