## DAFTAR PUSTAKA


Ahmad, Suyono, Yuanita. 2013. Reduksi miskonsepsi Asam basa melalui Inkuiri Terbuka Dan strategi conceptual change. P endidikan Sains Pascasarjana Universitas Negeri Surabaya. Vol.3 No.1 hal 286-293.

Ahyanuardi, A., Hambali, H., & Krismadinata, K. 2018. Pengaruh Kompetensi Pedagogik Dan Profesional Guru Sekolah Menengah Kejuruan Pasca Sertfikasi Terhadap Komitmen Guru Melaksanakan Proses Pembelajaran. *INVOTEK: Jurnal Inovasi Vokasional Dan Teknologi*, *18*(1),67-74. https://doi.org/https://doi.org/10.24036/invotek.v18i1.169

Alodail, Abdullah K. 2014. Impact of Technology ( Powerpoint ) on Students' Learning. *International Interdisciplinary Journal Of Education*, *3*(4), 200-206. doi: 10.12816/0006872

Andina, R., Rahmawati, Y., & Ridwan, A. 2019. Analysis of students' mental model of salt hydrolysis concepts at Klaten, Central Java. Journal Of Physics: Conference Series, 1157, 042009. doi: 10.1088/1742-6596/1157/4/042009

Brown, A.S dan Van Hoozer. 1999. Behavior Model For Performance Assessment. Missouri : Argonne Lib.

Cahyana, U., Paristiowati, M., Nurhadi, M., & Hasyrin, S. (2017, August 1). STUDI TENTANG MOTIVASI BELAJAR SISWA PADA PENGGUNAAN MEDIA MOBILE GAME BASE LEARNING DALAM PEMBELAJARAN LAJU REAKSI KIMIA. JTP - Jurnal Teknologi Pendidikan, 19(2), 143-155. https://doi.org/https://doi.org/10.21009/JTP1902.6

Chang R. 2003. Kimia Dasar: Konsep-Konsep Inti (Jilid 2). 3rd ed. Jakarta: Erlangga

Chiu, M.-H., & Wu, H.-K. 2009. *The Roles of Multimedia in the Teaching and Learning of the Triplet Relationship in Chemistry. Multiple Representations in Chemical Education, 251–283.*doi:10.1007/978-1-4020-8872-8_12

Creswell, J. W. 2010. Research design: pendekatan kualitatif, kuantitatif, dan mixed. Yogjakarta: PT Pustaka Pelajar.

Cresswell J. W. 2011. Educational Research Planning,Conducting, and Evaluating Quantitative and Qualitative Research. 4th ed. Lincoln: Pearson

Didem, Akyuz. 2018. Measuring technological pedagogical content knowledge (TPACK) through performance assessment. Journal Of Elsevier Ltd. Computers & education, 125. Page 212-225.

Finger, Glenn, Romina Jamieson-Proctor and Peter Albion. 2010. Beyond Pedagogical Content Knowledge: The Importance of TPACK for Informing Preservice Teacher Education in Australia. IFIPAICT, volume 324. Page 114-125.

Gavazzoni Dias, M. F., Pichler, J., Adriano, A., Cecato, P., & de Almeida, A. 2014. The shampoo pH can affect the hair: Myth or Reality? International Journal of Trichology, 6(3), 95. doi:10.4103/0974-7753.139078

Glynn, S. M. 2008. Making science concepts meaningful to students: Teaching with analogies. In S. Mikelskis-Seifert, U. Ringelband, & M. Brückmann (Eds.), Four decades of research in science education: From curriculum development to quality improvement, 113- 125

Graham, C., Borup, J., & Smith, N. 2012. Using TPACK as a framework to understand teacher candidates' technology integration decisions. Journal Of Computer Assisted Learning, 28(6). Page 530- 546.

Guba, G Egon. 1990. The Paradigm Dialogue. United States of America: Sage Publications

Guba E & Lincoln Y. 1989. Fourth Generation Evaluation. United States of America: Sage Publications

Hadinugrahaningsih, T., Zahia, B., Rahmawati, Y., & Kartika, I. 2018. Analisis Laboratory Jargon dan Miskonsepsi dalam Materi Asam-Basa. *JRPK: Jurnal Riset Pendidikan Kimia*, *8*(2), 12-25. doi: 10.21009/jrpk.082.02

Handayanti, Yuli, Agus Setiabudi, dan Nahadi. 2015. Analisis Profil Model Mental Peserta didik Sma Pada Materi Laju Reaksi. JPPI Vol. 1, No. 1. Hal. 107-122.

Harrison, A., & Treagust, D. 2000. Learning about atoms, molecules, and chemical bonds: A case study of multiple-model use in grade 11 chemistry. Science Education, 84(3), 352. 29

Jansoon, N., R.K. Coll, and E.Somsook. 2009. Understanding Mental Models of Dilution in Thai Students. International Journal of Environmental & Science Education. 4(2), 147-168.

Johari, K., dkk. 2009 . Pengaruh Jenis Latihan Guru dan Pengalaman Mengajar Terhadap Efikasi Guru Sekolah Menengah (*The Influence*

*of Teacher Training and Teaching Experience on Secondary School Teacher Efficacy*). Jurnal Pendidikan Malaysia 34(2).3 - 14

Johnstone, A. H. 1993. The Development of Chemistry Teaching. Journal of Chemical Education, vol 70(9), 701-705.

Jones, N., Ross, H., Lynam, T., Perez, P., & Leitch, A. 2011. Mental Models: An Interdisciplinary Synthesis of Theory and Methods. *Ecology And Society*, *16*(1), 46. doi: 10.5751/es-03802-160146

Kanter DE, Konstantopoulos S. 2010. The impact of a project-based science curriculum on minority student achievement, attitudes, and careers: The effects of teacher content and pedagogical content knowledge and inquiry-based practices. Sci Educ ; 94: 855–887.

Kirbulut, Z., & Bektas, O. 2011. Prospective chemistry teachers' experiences of teaching practice. *Procedia - Social And Behavioral Sciences*, *15*, 3651-3655. doi: 10.1016/j.sbspro.2011.04.351

Mishra, P., & Koehler, M. J. 2006. Technological pedagogical con- tent knowledge: A framework for teacher knowledge. Teachers College Record , 108 (6), 1017–1054.

Koehler, M., Mishra, P., & Cain, W. 2013. What is Technological Pedagogical Content Knowledge (TPACK)?. Journal Of Education, 193(3), 13-19.

Kolesnikova, I. 2016. Combined Teaching Method: An Experimental Study. *World Journal Of Education*, *6*(6), 51-59. doi: 10.5430/wje.v6n6p51

Lin, J.W. and Chiu, M.H. 2007. Exploring the Characteristics and Diverse Sources of Students' Mental Models of Acids and Bases. International Journal of Science Education.29 (6), 771- 803.

Lincoln. Yvonna S. and Guba, Egon G. 1985. Naturalistic Inquiri. Sage Publications, Inc.

Linda Tri Antika , A.D. Corebima, dan Siti Zubaidah. 2017. Belajar Biologi Dengan Model Reading-Concept Map-Think Pair Share (Remap Tps). Science Education National Conference Prosiding Senco 2017 – Pendidikan IPA. Hal 80-89.

Loughran J, Berry A, Mulhall P. 2012. Understanding and developing science teachers' pedagogical content knowledge. Epub ahead of print 2012. DOI: 10.1007/978-94-6091-821-6.

Lukman Abdul Rauf Laliyo. 2010. Model Mental Peserta didik Dalam Memahami Perubahan Wujud Zat. Jurusan Pendidikan Kimia FMIPA Universitas Negeri Gorontalo. Hal 1-12.

Majid, A., dan Prahani, B. (2017). Analyze of Students' Learning Outcomes Based On Mental Models of Atomic Structure. *IOSR Journal Of Research & Method In Education (IOSRJRME)*, *07*(01), 120-124. doi: 10.9790/7388-070101120124

Miles, M.B, Huberman, A.M, dan Saldana, J. 2014. Qualitative Data Analysis, A Methods Sourcebook Edition 3. USA : Sage Publications.

Nieswandt, M. (2007). Erratum: Student affect and conceptual understanding in learning chemistry. *Journal Of Research In Science Teaching*, *44*(9), 1415-1415. doi: 10.1002/tea.20246

Nore, Hæge, dkk. 2018. TPACK as shared, distributed knowledge. Retrieved from https://oda.hioa.no/en/tpack-as-shared-distributed-knowledge/asset/dspace:1005/522024post.pdf. [5 Nov 2018]

Okoduwa, S. I., Mbora, L. O., Adu, M. E., & Adeyl, A. A. 2015. Comparative Analysis of the Properties of Acid-Base Indicator of Rose (Rosa setigera), Allamanda (Allamanda cathartica), and Hibiscus (Hibiscus rosa-sinensis) Flowers. *Biochemistry Research International*, 1-6.

O'Reilly, M., 2015 . The influence of emotions, attitudes and perceptions on learning with technology. Research in Learning Technology, 23. doi:10.3402/rlt.v23.27763

Rahmawati, L. Dan Suyono. 2012. Penerapan Model Pembelajaran Conceptual Change untuk Mereduksi Miskonsepsi Siswa Pada Materi Pokok Asam Basa di Kelas XI SMAN 2 Bojonegoro. Proseding Seminar Nasional Kimia Unesa. Februari 2012.

Raisa. 2014. Analisis Miskonsepsi pada Buku Pelajaran SMU pada Topik Asam Basa [skripsi]. Jakarta: Fakultas Matematika dan Ilmu Pengetahuan Alam. Universitas Negeri Jakarta

Rita Tavares dan António Moreira. 2017. Implications of Open Access Repositories Quality Criteria and Features for Teachers' TPACK Development. Springer Publication. 30,1-71

Rocha, Aurora, dkk. 2018. TPACK: Challenges for Teacher Education in the 21st Century. Retrieved from https://repositorium.sdum.uminho.pt/bitstream/1822/14823/1/AuroraPedroCD-ProceedingsISATT2011.pdf. [5 Nov 2018]

Rohmanurmeta, F., & Farozin, M. 2016. PENGARUH PENGATURAN TEMPAT DUDUK TERHADAP MOTIVASI DAN HASIL BELAJAR PADA PEMBELAJARAN TEMATIK INTEGRATIF. *JURNAL PENELITIAN ILMU PENDIDIKAN*, *9*(1), 70-82. doi: 10.21831/jpipfip.v9i1.10691

Saputro Agung N. C. & Nugraha, Irwan. 2008. BERTUALANG DI DUNIA KIMIA. PUSTAKA INSAN MADANI. Yogyakarta

Sausan, I., Saputro, S., & Yunita Indriyanti, N. 2018. Chemistry for Beginners: What Makes Good and Bad Impression. *Advances In Intelligent Systems Research, Atlantis Press*, *157*, 42-45.

Seery, M., dan McDonnell, C. 2013. The application of technology to enhance chemistry education. *Chem. Educ. Res. Pract.*, *14*(3), 227-228. doi: 10.1039/c3rp90006a

Schmidt, Denise A. dkk. 2009. Technological Pedagogical Content Knowledge (TPACK): The Development and Validation of an Assessment Instrument for Preservice Teachers. US: JRTE Volume 42 Number 2. Page 123–149.

Shulman, Lee S. 1986. Those who understand: Knowledge growth in teaching. Educational Research , 15 (2), 4–14.

Srisawasdi, N. 2012. The Role of TPACK in Physics Classroom: Case Studies of Preservice Physics Teachers. Procedia - Social And Behavioral Sciences, 46, 3235-3243. doi: 10.1016/j.sbspro.2012.06.043

Suparno P. 2005. Miskonsepsi dan Perubahan Konsep Dalam Pendidikan Fisika. Jakarta: Grasindo.

Supriadi, Ibnu, S., & Yahmin. 2018. ANALYSIS ON THE MENTAL MODEL OF UNDERGRADUATE STUDENT'S CHEMISTRY EDUCATION UNDERSTANDING THROUGH CHEMICAL REACTION TYPES. J. Pijar MIPA, 13(1). 1-5 DOI: 10.29303/jpm.v13i1.433

Svehla, G. 2011. *Vogel's qualitative inorganic analysis*. New Delhi: Pearson.

Tavares, R., & Moreira, A. 2017. Implications of Open Access Repositories Quality Criteria and Features for Teachers' TPACK Development.

Puspendik. 2018. Penguasaan Materi Ujian Nasional. https://puspendik.kemdikbud.go.id/hasil-un/, diakses 25 Januari 2019 pukul 09.22 WIB

Ristekdikti. 2018. Undang-Undan Indonesia. http://sumberdaya.ristekdikti.go.id/wp-content/uploads/2016/02/uu-nomor-14-tahun-2005-ttg-guru-dan-dosen.pdf, diakses 12 Januari 2019 pukul 19.20 WIB

BNSP. 2016. Peraturan Mentri Pendidikan dan Kebudayaan Nomor 16 tahun 2016. http://bsnp-indonesia.org/2016/08/24/peraturan-menteri-pendidikan-dan-kebudayaan-nomor-24-tahun-2016/, diakses 15 Januari 2019 pukul 09.10 WIB

Ristekdikti. 2004. Undang-Undang No. 20 tahun 2003. https://kelembagaan.ristekdikti.go.id/wp-content/uploads/2016/08/UU_no_20_th_2003.pdf, diakses 15 Januari 2019

BNSP. 2016. Permendikbud22-2016SPDikdasmen.pdf.http://luk.tsipil.ugm.ac.id/atur/bsnp/Permendikbud22-2016SPDikdasmen.pdf, diakses 15 Januari 2019

DentistryIQ. 2015. The Magic of pH. https://www.dentistryiq.com/dental-hygiene/clinical-hygiene/article/16350765/the-magic-of-ph, diakses 19 Mei 2019 pukul 19.28 WIB

Tricia. 2019. How The pH of the Toothpaste Can Affect Your Enamel. https://www.colgate.com/en-us/oral-health/life-stages/adult-oral-care/ph-of-toothpaste-and-enamel-0316, diakses 19 Mei 2019 pukul 19.40 WIB