

DAFTAR PUSTAKA

- Adisendjaja, Y. H., Romlah, O. (2007). Identifikasi kesalahan dan miskonsepsi buku teks biologi SMU. Proseding : *Seminar Nasional Pendidikan Biologi. Universitas Pendidikan Indonesia.*
- Amprasto, Rustaman N.Y, Surtikartin, K.H & Saefudin. (2012). Pengembangan model asesmen pada kegiatan field trip kuliah ekologi umum berbasis inkuiri untuk meningkatkan kemampuan mahasiswa calon guru biologi. *Jurnal Pengajaran MIPA, 17* (2), hlm. 200-208.
- Andriana, W & Andrea, D. (2016). How food is processed in the human body or children's concepts of how the digestive system works. *Social and Behavioral Sciences, 237*(2), hlm. 1582-1587.
- Ardiantoro, Gigih. (2013). *Analisis Tingkat Pemahaman Siswa berdasarkan Teori APOS dalam Mempelajari Persamaan Garis Lurus Ditinjau dari Aktivitas Belajar Siswa SMP Negeri 6 Nganjuk.* (Skripsi). Keguruan dan Ilmu Pendidikan Universitas Sebelas Maret, Surakarta.
- Arnaudin, M., W. & Mintzes, J., J. (1985). Student's alternative conceptions of the human circulatory system: a cross age study. *Science Education, 62* (2), hlm. 721-733.
- Arikunto, S. (2012). *Dasar-Dasar Evaluasi Pendidikan Edisi 2.* Jakarta: Bumi Aksara.
- Athasinou, K., & Mavrikaki, E. (2014). Concept inventory of natural selection as a tool for measuring greek university student evolution knowledge differences between novices and advanced students. *International journal of Science Education, 36*(8), hlm. 1265-1285.
- Aydin, S. (2016). To what extent do Turkish high school students know about their body organs and organ system?. *International Journal of Human Sciences, 13* (1), hlm. 1094-1106.
- Bahar, M. (2003). Misconception in biology education and conceptual change strategies. *Educational Sciences: Theory and Practice, 3* (1): 27-64.
- Berg, E, V. (1991). *Miskonsepsi Fisika dan Remediasi.* Salatiga: UKSW.
- Cakici, Y. (2005). Exploring turkish upper primary level pupils' understanding of digestion. *International Journal of Science Educaion, 27*(1), hlm. 79-100.
- Caleon, I.S & Subramaniam. R. (2010). Do students know what they know and what they don't know? using a four-tier diagnostic test to assess the nature of students' alternative conceptions. *Research Science and Education, 40* (2), hlm. 313-337.

Rivani Dwi Nurrachmani, 2017

IDENTIFIKASI MISKONSEPSI PADA KONSEP SISTEM PENCERNAAN MANUSIA DENGAN TES FOUR TIER MULTIPLE CHOICE

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

- Campbell, N.A & Reece, J.B. (2010). *Biologi: Edisi Kedelapan, JILID 3*. Jakarta: Erlangga
- Cardak, Osman. (2015). Student science teacher's ideas of the digestive system. *Journal of Education and Training Studies*, 3(5), hlm. 127-133.
- Carr, M. (1996). *Interviews about instances and interviews about events*. New York: Teachers College Press.
- Chaniarosi, I, F. (2014). Identifikasi miskonsepsi guru biologi SMA kelas XI IPA pada konsep reproduksi manusia. *Jurnal MPBio PPs UNSYIAH*, 2(2), hlm. 187-250.
- Creswell, J. W. (2009). *Research Design: Qualitative, quantitative, and mixed method approaches*. (edisi ketiga). Thousand Oaks: Sage
- Dahar, R. W. (1989). *Teor-Teori Belajar*. Jakarta: Erlangga.
- Dahar, R. W. (1996). *Teor-Teori Belajar*. Jakarta: Erlangga
- Dahar, R. W. (2011). *Teor-Teori Belajar dan Pembelajaran*. Jakarta: Erlangga.
- Departemen Pendidikan Nasional. (2007). Tes Diagnostik. Jakarta: Direktorat Jenderal Manajemen Pendidikan Dasar dan Menengah.
- Dikmenli, M. (2010). Misconception of cell division held by student teachers in biology: a drawing analysis. *Scientific Research and Essay*, 5 (2), hlm. 11-15
- Dikmenli, M., Osman, C., dan Fulya, O. (2009). Conceptual Problem in Biology-Related Topics in Primary Science and Technology Textbooks in Turkey. *International Journal of Environmental & Science Education*, 4 (4): 429-440.
- Djamarah, Syaiful B. & Zain A. (2006). *Strategi Belajar Mengajar*. Jakarta: PT. Asdi Mahasatya.
- Driver, R., Asoko, H., Leach, J., Mortimer, E., & Scott, P. (1994). Constructing scientific knowledge in the classroom. *Educational Researcher*, 23(7), hlm. 5–12.
- Fariyani, Q. Rusilowati, A & Sugianto. (2015). Pengembangan four-tier diagnostic test untuk mengungkap miskonsepsi fisika siswa SMA kelas X. *Journal of Innovative Science Education*, 4 (2), hlm. 41-49.

- Firdaus, Z. Zubaidah, S. & Sunarmi. (2014). Pengembangan Media Pembelajaran Monopoli IPA Materi Sistem Pencernaan Makanan untuk Siswa kelas VIII di SMP Negeri 4 Malang. *Jurnal Biologi FMIPA*, 4 (1), hlm. 1-12.
- Gungor, M. H & Ozgur, S. (2009). The causes of the fifth grade students' misconceptions originated from didactic about digestive system. *Necatibey Faculty of Education Electronic Journal of Science and Mathematics Education*, 3(2), hlm. 149-177.
- Gunyou, J. (2015). I flipped my classroom: One teacher's quest to remain relevant. *Journal of Public Affairs Education*, 21(1), hlm. 13–24.
- Harjanto. (2008). *Perencanaan Pengajaran*. Jakarta: Rineka Cipta
- Hasan, S., Bagayoko, D., & Kelley, E.L. (1999). Misconceptions and the Certainty of Response Index (CRI). *Physic Education*. 34 (2). hlm. 295.
- Hola, A. (2003). Biological science misconceptions amongst teachers and primary students in Jordan: diagnosis and treatment. *Educational Sciences of Jordan Journal*, 7(4), hlm. 109-118
- Indrawati, Wahyu. (2009). *Efektivitas Quantum Teaching untuk Meningkatkan Hasil Belajar Sistem Pencernaan Manusia pada Siswa Kelas VIII MTs Salafiyah Kajen Kabupaten Pati*. (Skripsi). Institut Agama Islam Negeri Walisongo, Semarang.
- Klammer, J. (1998). *An overview of technique for identifying, acknowledging and overcoming alternate conception in physic education*. Columbia: Columbia University
- Kose, S. (2008). Diagnosing student misconception: using drawing as a research method. *World Applied Sciences Journal*, 38 (2), hlm. 283-293.
- Kubiatko, M., Prokop, P. (2009). Pupils understanding of mammals: an investigation of a cognitive dimension of misconception. *Orbit Scholar*, 3 (2), hlm. 97-112.
- Kurnadi, K. A. (2008). *Dasar-Dasar Anatomi dan Fisiologi Tubuh Manusia*. Bandung: FPMIPA UPI
- Kwen, B. H. (2005). Teachers' misconceptions of biological science concepts as revealed in science examination papers. Prosiding : *International Education Research Conference*.
- Law, J., & Treagust, D. F. (2010). *Diagnosis of student understanding of content specific science areas using on-line two-tier diagnostic tests*. Sydney: Curtin University of Technology.

- Lin, S. (2004). Diagnostic test for high school student's understanding of flowering plant growth and development. *International Journal of Science and Mathematics Education*. 12 (3), hlm. 175-199.
- Losada, M., C. (2011). What do children aged four to seven know about the digestive system and respiratory system of the human being. *International Journal of Science Education*, 36 (4).
- Mader, S. S., Windelspecht M. (2014). *Human Biology* Thirteenth Edition. New York: Mc Graw Hill Companies
- Maesyarah, Jufri, A. W., & Kusmiyati. (2015). Analisis Penguasaan Konsep dan Miskonsepsi Biologi dengan Teknik Modifikasi *Certainty of Response Index* pada Siswa SMP Se-Kota Sumbawa Besar. *Jurnal Pijar MIPA*, 10(1), hlm. 1-6.
- Mappeasse, M. Y. (2009). Pengaruh Cara dan Motivasi Belajar terhadap Hasil Belajar *Programable Logic Controller (PLC)* Siswa Kelas III Jurusan Listrik SMK Negeri 5 Makassar. *Jurnal MEDTEK*, 1(2), hlm. 1-6
- Martini, F., H., Nath J., L., & Bartholomew, E., F. (2012). *Fundamental of Anatomy & Physiology* Ninth Edition. San Fransisco: Pearson Education.
- Murni, D. (2013). Identifikasi miskonsepsi mahasiswa pada konsep substansi genetika menggunakan *Certainty of Response Index (CRI)*. *Jurnal FPMIPA UNILA*, Lampung.
- Nugroho, F., A. (2016). Identifikasi miskonsepsi sistem pencernaan manusia pada buku teks biologi SMA kurikulum 2013 di kota Yogyakarta. *Jurnal pendidikan biologi*. 5 (5). hlm. 13-22.
- Ozay, E., & Oztas, H. (2003). Secondary students' interpretations of photosynthesis and plant nutrition. *Journal of Biological Education*, 37(2), hlm. 68–70.
- Oztas, H. (2015). First year university students' misconceptions about digestive tract and its functions. *Journal of Education*, 1(1), hlm. 119-123.
- Pelaez, N. J., Boyd, D. D., Rojas, J. B., & Hoover, M. A. (2005). Prevalence of blood circulation misconceptions among prospective elementary teachers. *Advance Physiological Education*, 29 , hlm. 172–181.
- Prokop, P & Fanvicova, J. (2006). Students' ideas about the human body: do they really draw what they know?. *Journal of Baltic Science Education*, 10(2), hlm. 86-95.
- Purba, J. (2008). *Penelusuran Miskonsepsi Mahasiswa tentang Konsep dalam Rangkaian Listrik menggunakan Certainty Response Index dan Interview*.

Rivani Dwi Nurrachmani, 2017

IDENTIFIKASI MISKONSEPSI PADA KONSEP SISTEM PENCERNAAN MANUSIA DENGAN TES FOUR TIER MULTIPLE CHOICE

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

[Online]. Tersedia: <http://file.upi.edu/Direktori/FPTK/J>. Diakses pada tanggal 22 maret 2017.

- Purwanto, N. (1997). *Prinsip-Prinsip dan Teknik Evaluasi Pengajaran*. Bandung: Rosdakarya.
- Rustaman, N. Y. (2005). *Strategi Belajar Mengajar Biologi*. Malang: UM Press.
- Saehana, S., Kasim, S. (2011). Studi awal miskonsepsi mekanika pada guru fisika SMA di kota Palu. *Prosiding Seminar Nasional Penelitian Pendidikan dan Penerapan MIPA, Fakultas MIPA, Universitas Negeri Yogyakarta*, 14 Mei 2011.
- Sulaeman, T, N. (2015). *Identifikasi Miskonsepsi Siswa SMA pada Konsep Arthropoda*. (Skripsi). Universitas Pendidikan Indonesia, Bandung.
- Saputra P.A, Wirawan & Arthana. (2016). Film Animasi Pembelajaran Sistem Pencernaan Manusia pada Kelas VIII SMP Negeri 3 Banjar Tahun Ajaran 2015/2016. *Jurnal Pendidikan Teknik Informatika*, 5 (2), hlm. 10-21.
- Septiana, D. (2014). Identifikasi miskonsepsi siswa pada konsep Archaeobacteria dan Eubacteria menggunakan *two-tier multiple choice*. *Edusains*: 6 (2). Hlm. 194-200.
- Shen, M., M. (2013). *Miskonsepsi dalam Pembelajaran di Sekolah*. [Online]. Tersedia: http://lmpntb.org/serba_serbi.php?/50/MISKONSEPSI_DALAM_PEMBELAJARAN_DI_SEKOLAH.html. Diakses pada tanggal 26 Maret 2017.
- Simon, A. (2016) *Hemorrhoids: An Illustrated Guide To Treatment*. [Online]. Tersedia: www.onhealth.com/content/1/hemorrhoid_treatment. Diakses pada tanggal 26 Maret 2017.
- Soraya, N., Sudarmi, M., Rondonuwu., S. (2013). Identifikasi Konsep Fisika Mengenai Cahaya yang Terdapat Di Dalam Kehidupan Sehari-hari. *Prosiding : Seminar Nasional Sains dan Pendidikan Sains VIII*.
- Soyibo, K. (1988). A comparison of first and final year undergraduate student-teachers' knowledge and misconceptions on selected biology concepts. *Journal of Research in Curriculum*, 6 (1), hlm. 13–20.
- Sudijono, Anas. (1996). *Pengantar Evaluasi Pendidikan*. Jakarta: PT Raja Grafindo Persada.
- Sukardi. (2008). *Evaluasi Pendidikan Prinsip dan Operasionalnya*. Yogyakarta: Bumi Aksara

- Suparno, P. (2013). *Miskonsepsi dan Perubahan Konsep dalam Pendidikan Fisika*. Jakarta: Grasindo.
- Supriyanto, Habibah, & Purwanti. (2014). Pengembangan Media Pembelajaran Sistem Pencernaan Makanan disertai Virtual Laboratory di SMP. *Unnes Journal of Biology Education*, 3 (1), hlm. 93-100.
- Suri, A. A. (2013). *Identifikasi Miskonsepsi siswa SMA pada Konsep Difusi-Osmosis melalui Analisis Gambar*. (Skripsi). Universitas Pendidikan Indonesia, Bandung.
- Storey, R. D. (1992). Textbook errors and misconceptions in biology: Cell metabolism. *The American Biology Teacher*, 53 , hlm. 339–343.
- Tayubi, Y. R. (2005). Identifikasi miskonsepsi pada konsep-konsep fisika menggunakan *certainty of response index* (CRI). *Jurnal pendidikan fisika*, 3 (24), hlm 4-9.
- Teixeira, F. M. (2000). What happens to the food we eat? Children's conceptions of the structure and function of the digestive system. *International Journal of Science Education*, 22(2), hlm. 507-520.
- Tekkaya, C., Ozkan, O. and Sungur, S. (2001) Biology Concepts Perceived as Difficult by Turkish High School Students. *Journal of Hacettepe University Faculty of Education*, 21, hlm. 145-150.
- Tekkaya, C. (2002). Misconception as barrier to understanding biology. *Journal of Education*, 23(2), hlm. 259-266.
- The Liang Gie. (1987). *Cara Belajar yang Efisien*. Yogyakarta: Liberty
- Thompson, F. & Logue, S. (2006). An exploration of common student misconception in science. *International Education Journal*, 7(4), hlm.553-559.
- Tim Penyusun Kamus Pusat Pembinaan dan Pengembangan Bahasa Depdikbud. (1990). *Kamus Besar Bahasa Indonesia*. Jakarta: Balai Pustaka.
- TortoraG, D., Derrickson, B. (2011). *Principles of Anatomy and Physiology* 13th edition. New York: John Wiley & Sons.
- Treagust D.F. & Haslam, F. (1987). Diagnosing secondary student's misconceptions of photosynthesis and respiration in plants using two-tier multiple choice instrumen. *Journal of Biological Education*, 21 (2), hlm. 203-211.

- Treagust D.F. (1988). Development and use of diagnostic test to evaluate student's misconception in science. *International Journal of Science Education*, 10 (2). hlm. 159-169.
- Tresnawati. (2012). *Identifikasi miskonsepsi siswa sma berdasarkan cluster sekolah pada konsep sistem reproduksi tumbuhan biji*. (Skripsi). Universitas Pendidikan Indonesia.
- Tshuma, T., & Sanders, M. (2014). Textbook as a possible influence on unscientific ideas about evolution. *Journal of Biological Education*.
- Tuysuz, C. (2009). Development of two-tier diagnostic instrument and asses student's understanding in chemistry. *Academic Journal*, 4 (6). hlm. 626-631.
- Widodo, Endro. (2014). *Efektivitas Pembelajaran Berbasis Praktikum pada Uji Zat Makanan di kelas XI*. (Skripsi). Universitas Pendidikan Indonesia, Bandung.
- Zain, Nur H. (2013). *Pengembangan Komik Bahan Ajar IPA Terpadu Kelas VIII SMP pada Tema Sistem Pencernaan Manusia dan Hubungannya dengan Kesehatan*. (Skripsi). Universitas Negeri Semarang, Semarang.