

DAFTAR PUSTAKA

- Abdi, A. (2014). The Effect of Inquiry-Based Learning Method on Students' Academic Achievement in Science Course. *Universal Journal of Educational Research*, 2(1), 37–41. <https://files.eric.ed.gov/fulltext/EJ1053967.pdf>
- Afandi, M., Chamalah, E., & Wardani, O. P. (2013). *Model dan Metode Pembelajaran di Sekolah* (1st ed.). UNISSULA Press .
http://research.unissula.ac.id/file/publikasi/211313015/9230susun_Isi_dan_Daftar_Pustaka_Buku_Model_edit_.pdf
- Agustin, Ambyar, Aziz, I. (2021). Application of Alternative Assessment in Efforts to Improve Education Quality. *International Journal of Progressive Sciences and Technologies (IJPSAT)*, 29, 476–483.
- Ahmadi, G. A., Abdolmaleki, S., & Khoshbakht, M. (2011). Effect of computer-based training to increase creativity and achievement science, students in fourth grade of elementary. *Procedia Computer Science*, 3, 1551–1554. <https://doi.org/10.1016/j.procs.2011.01.047>
- Amin, Moh. Hamzanudin. (2018). Pengaruh Kemampuan Guru dalam Pengelolaan Kelas dan Penguasaan Materi Pelajaran Terhadap Prestasi Belajar Peserta Didik di MI Al Karim Gondang Nganjuk Tahun Pelajaran 2016/2017. Kediri: Program Pascasarjana Institut Agama Islam Negeri IAIN Kediri. <http://etheses.iainkediri.ac.id/id/eprint/3657>
- Ainun, F., & Djohar. (2015). Pengembangan Model Pembelajaran IPA Berbasis 4N (Neng, Ning, Nung, Nang) Untuk Menciptakan Proses Belajar Fungsional Peserta Didik SMP. *Jurnal Inovasi Pendidikan IPA*, 1(1), 12–23. <https://media.neliti.com/media/publications/234962-pengaruh-metode-pembelajaran-dan-minat-b-588cbad7.pdf>
- Alharbi, M. S., Almatham, K. A., Alsalouli, M. S., & Hussein, H. B. (2020). Mathematics Teachers' Professional Traits that Affect Mathematical Achievement for Fourth-grade Students according to the TIMSS 2015 Results: A Comparative Study among Singapore, Hong Kong, Japan, and Saudi Arabia. *International Journal of Educational Research*, 104(June), 1–15. <https://doi.org/10.1016/j.ijer.2020.101671>
- Asih, D. A. S. A. (2017). Pengaruh Penggunaan Fasilitas Belajar di Lingkungan Alam Sekitar Terhadap Keterampilan Proses Sains. *Jurnal Formatif*, 7(1): 13–21. <https://journal.lppmunindra.ac.id/index.php/Formatif/article/view/1331/1448>
- Azhari, Nur Rahma, Aminuddin Bakry, dan Muh. Yusuf Mappedasse. (2020). Pengaruh Kegiatan Pengembangan Keprofesian Guru terhadap Kinerja Guru dan Prestasi Belajar Siswa di SMK Negeri 1 Pangkep, *Jurnal Media TIK*, Vol.3 (3): 1-13.

- Bakar, R. (2018). The Influence of Professional Teachers On Padang Vocational School Students' Achievement. *Kasetsart Journal of Social Sciences*, 39(1), 67–72. <https://doi.org/10.1016/j.kjss.2017.12.017>
- Bert, C. (2013). *Teacher Professional Development for Improving Quality of Teaching*. Springer.
- Brown, G. T. L. (2017). Assessment of student achievement. In P. A. Alexander & Assessment (Eds.), *Assessment of Student Achievement*. Routledge is an imprint of the Taylor & Francis Group, an informa business. <https://doi.org/10.4324/9781315162058>
- Cangur, S., Ercan, I. (2015). Comparison of model fit indices used in structural equation modeling under multivariate normality. *Journal of Modern Applied Statistical Methods*, 14(1), 152-167.
- Dahlan, Jafar & Y. Sastarawijaya. (2017). Pengaruh Penggunaan Metode Pembelajaran dan Penilaian Autentik Terhadap Kemampuan Representasi Matematis Siswa. *Jurnal Evaluasi Pendidikan*, 8 (1), 33-39. <https://doi.org/https://doi.org/10.21009/JEP.081.05>
- Danim, S., & Khairil. (2013). *Profesi Kependidikan*. Alfabeta.
- Dewati, M. (2012). Pengaruh Metode Belajar dan Tingkat Penalaran Formal Terhadap Hasil Belajar Fisika Siswa Maria. *Jurnal Formatif* 2(3), 206–217. <https://media.neliti.com/media/publications/234937-pengaruh-metode-belajar-dan-tingkat-pena-6c060cb5.pdf>
- Dewi, N.P., & Sumardi. (2017). Kontribusi Persiapan Guru Mengajar Terhadap Hasil Belajar Matematika Siswa SMP. *Konferensi Nasional Penelitian Matematika dan Pembelajarannya II (KNPMP II)*, 18 Mei 2017. Universitas Muhammadiyah Surakarta. <http://download.garuda.kemdikbud.go.id/article.php?article=3156618&val=27980&title=Kontribusi%20Persiapan%20Guru%20Mengajar%20terhadap%20Hasil%20Belajar%20Matematika%20Siswa%20SMP>
- Dirk, R., Mareike, K., Uta, K., Oliver, L., & Jürgen, B. (2011). Professional development across the teaching career: Teachers' uptake of formal and informal learning opportunities. *Teaching and Teacher Education*, 27, 116–126. <https://doi.org/https://doi.org/10.1016/j.tate.2010.07.008>
- Djamaluddin, A., & Wardana. (2019). *Belajar dan Pembelajaran: 4 Pilar Peningkatan Kompetensi Pedagogis*. Penerbit CV Kaaffah Learning Center. [http://repository.iainpare.ac.id/1639/1/Belajar dan Pembelajaran.pdf](http://repository.iainpare.ac.id/1639/1/Belajar%20dan%20Pembelajaran.pdf)
- Dopensus. (2015). Pengaruh Metode Mengajar Guru dan Kelengkapan Fasilitas Laboratorium Komputer Terhadap Hasil Belajar Siswa Kelas X Kompetensi Keahlian Teknik Komputer dan Jaringan di SMK Nasional Berbah Sleman. Yogyakarta:UNY. <https://eprints.uny.ac.id/26430/1/dopensus%2008520249004.pdf>

- Ghozali, Imam.(2006). Aplikasi Analisis Multivariate dengan Program SPSS (Edisi Ke 4). Semarang:Badan Penerbit Universitas Diponegoro.
- Ghozali, Imam. (2014). Structural Equation Modeling, Metode Alternatif dengan Partial Least Square (PLS). Edisi 4. Semarang : Badan Penerbit Universitas Diponegoro.
- Glynn, S. M. (2012). International Assessment : A Rasch Model and Teachers ' Evaluation of TIMSS Science Achievement Items. *Journal of Research in Science Teaching*, 49(10), 1321–1344. <https://doi.org/10.1002/tea.21059>
- Handayani, MB. W. R. (2014). Faktor-Faktor yang Mempengaruhi Kinerja Guru IPA (Sains) Smp Negeri Se-Kecamatan Ngaglik Kabupaten Sleman. *Jurnal Penelitian Ilmu Pendidikan*, 7 (2), 94–105. <https://journal.uny.ac.id/index.php/jpip/article/view/4923/4250>
- Harrington, D. (2009). *Confirmatory Factor Analysis*. Oxford University Press.
- Hartanti, Astrid Setianing & Tjutju Yuniarsih. (2018). Pengaruh Kompetensi Profesional Guru Dan Motivasi Kerja Terhadap Kinerja Guru Di Sekolah Menengah Kejuruan (*The Effect Of The Professional Competence Of Teachers And Motivation Of Work On Teacher Performance In School High School*). *Jurnal Pendidikan Manajemen Perkantoran*, Vol. 3 No. 1: 167-175.
- Hartini, & Sukardjo. (2015). Pengembangan Higher Order Thinking Multiple Choice Test Untuk Mengukur Keterampilan Berpikir Kritis IPA Kelas VII SMP/MTs. *Jurnal Inovasi Pendidikan IPA*, 1 (1), 80–90.
- Herawati, Ratna. (2020). Pengaruh Penguasaan Materi Guru Terhadap Hasil Ujian Nasional Siswa Pada Mata Pelajaran Matematika SMP di Beberapa Kabupaten/Kota di Indonesia. *Jurnal Edukasi Matematika*, Vol 11 No 1: 1-21.
- Indri, A. (2017). Analisa Faktor-Faktor yang Mempengaruhi Proses Belajar Guru-Guru Sekolah Dasar. *Kelola Jurnal Manajemen Pendidikan*, 4 (2), 205–212.
- Ismail, Muh.Ilyas. (2012). Pengaruh Bentuk Penilaian Formatif Terhadap Hasil Belajar IPA Setelah Mengontrol Pengetahuan Awal Siswa. *Lentera Pendidikan*, Vol. 15, No. 2, 2012: 175-191.
- Judith. (2016). *Teachers Profesional Development on Problem Solving*, University Of Applied Science. Springer.
- Jufri, W. (2013). *Belajar dan Pembelajaran Sains* (1st ed.). Penerbit Pustaka Reka Cipta. https://www.researchgate.net/profile/Jufri-A-Wahab/publication/350457384_Toha_No_176_Lama_Bandung_-_Jawa_Barat_40423_Phone_022_92724763_-

081214044150_Faks/links/6061507c92851cd8ce744fd5/Toha-No-176-Lama-Bandung-Jawa-Barat-40423-Phone-022-92724763-081214044

- Jufrida, J., Basuki, F. R., Kurniawan, W., Pangestu, M. D., & Fitaloka, O. (2019). Scientific literacy and science learning achievement at junior high school. *International Journal of Evaluation and Research in Education (IJERE)*, 8(4), 630–636. <https://doi.org/10.11591/ijere.v8i4.20312>
- Kartowagiran, Badrun. (2011). Kinerja Guru Profesional (Guru Pasca Sertifikasi). *Cakrawala Pendidikan, November 2011, Th. XXX, No. 3*.
- Kasmawati, Y. (2020). Peningkatan Prestasi Siswa melalui Pengembangan Profesional Guru: Suatu Tinjauan Literatur. *Jurnal Maksipreneur*, 10(1), 13–30.
- Keay, K. J., & Liloyd, C. M. (2011). *Linking Children's Learning With Professional Learning Impact, Evidence And Inclusive Practice*. Springer.
- Khaeriyah, E., Saripudin, A., & Kartiyawati, R. (2018). Penerapan Metode Eksperimen dalam Pembelajaran Sains Untuk Meningkatkan Kemampuan Kognitif Anak Usia Dini. *Awlady: Jurnal Pendidikan Anak*, 4(2), 102-119. <https://www.syekhnuurjati.ac.id/jurnal/index.php/awlady/article/viewFile/3155/1836>
- Kusumaningrum, D. E., Sumarsono, R. B., & Gunawan, I. (2019). *Professional Ethics and Teacher Teaching Performance: Measurement of Teacher Empowerment with a Soft System Methodology Approach*. 5(4), 611–624.
- Latan, H. (2012). *Structural Equation Modeling: Konsep dan Aplikasi Menggunakan Program Lisrel 8.80*. Alfabeta.
- Lawrence Ingvarson, Marion Meiers, A. B. (2005). Education Policy A Nalysis A Rchives A peer-reviewed scholarly journal Editor: Factors Affecting the Impact of Professional Development Programs on Teachers' Knowledge, Practice, Student Outcomes & Efficacy Lawrence Ingvarson Marion Meiers Adrian Beavis. *Education Policy Analysis Archives*, 13(10), 1-28.
- Lee, H., Longhurst, M., & Campbell, T. (2017). Teacher Learning in Technology Professional Development and Its Impact on Student Achievement in Science. *International Journal of Science Education*, 39(10), 1282–1303. <https://doi.org/10.1080/09500693.2017.1327733>.
- Liou, P. Y. (2017). Profiles of Adolescents' Motivational Beliefs In Science Learning And Science Achievement In 26 Countries: Results From TIMSS 2011 Data. *International Journal of Educational Research*, 81, 83–96. <https://doi.org/10.1016/j.ijer.2016.11.006>
- Machin, A. (2014). Implementasi Pendekatan Saintifik, Penanaman Karakter dan Konservasi Pada Pembelajaran Materi Pertumbuhan. *Jurnal Pendidikan IPA Indonesia*, 3 (1), 23–45.

- Mayarina. (2021). *Inkuiri Tingkatkan Produk Pengajaran Sains*. Penerbit Yayasan Lembaga Gumun Indonesia (YLGI).
- Mullis, I.V.S., & M. O. Martin. (2000). *TIMSS 1999 international mathematics report : Finding from IEA's trends in international mathematics and science study at the fourth and eight grades*. Chestnut Hill : Boston College.
- Mullis, I.V.S., & M. O. Martin. (2004). *TIMSS 2003 international mathematics report : Finding from IEA's trends in international mathematics and science study at the fourth and eight grades*. Chestnut Hill : Boston College.
- Mullis, I.V.S., & M. O. Martin. (2009). *TIMSS 2007 international mathematics report : Finding from IEA's trends in international mathematics and science study at the fourth and eight grades*. Chestnut Hill : Boston College.
- Mullis, I.V.S., & M. O. Martin, P. Foy & A. Arora. (2012). *TIMSS 2011 International Result in Mathematics*. Chestnut Hill : Boston College.
- Mulyasa, H. E. (2013). *Uji Kompetensi dan Penilaian Kinerja Guru* (pertama). PT. Remaja Rosdakarya.
- Mushtaq, I., & Khan, S. N. (2012). Factors Affecting Students' Academic Performance. *Global Journal of Management and Business Research*, 12(9), 1–25.
- Nahdi, D. S., Yonanda, D. A., & Agustin, N. F. (2018). Upaya Meningkatkan Pemahaman Konsep Siswa Melalui Penerapan Metode Demonstrasi Pada Mata Pelajaran IPA. *Jurnal Cakrawala Pendas*, 4(2), 9-16. https://www.researchgate.net/profile/Jufri-A-Wahab/publication/350457384_Toha_No_176_Lama_Bandung_-_Jawa_Barat_40423_Phone_022_92724763_-_081214044150_Faks/links/6061507c92851cd8ce744fd5/Toha-No-176-Lama-Bandung-Jawa-Barat-40423-Phone-022-92724763-081214044
- Narut, Y. F., & Supardi, K. (2019). Literasi Sains Peserta Didik dalam Pembelajaran Ipa Di Indonesia. *Jurnal Inovasi Pendidikan Dasar*, 3(1), 61–69.
- Nasution, M. kalsum. (2017). Penggunaan Metode Pembelajaran dalam Peningkatan Hasil Belajar. *Studia Didaktika: Jurnal Ilmiah Bidang Pendidikan*, 11(1), 9–16. <https://core.ac.uk/download/pdf/267962028.pdf>
- Nurhasanah, S. (2019). Pengaruh Metode Pembelajaran dan Kemampuan Penalaran terhadap Penguasaan Konsep Matematika (Eksperimen Pada Siswa SMP Negeri di Kota Tangerang). *Alfarisi: Jurnal Pendidikan MIPA*, 2(1), 50–61.
- Nurhayati. (2012). Membangun Kinerja Melalui Pengembangan Komitmen Guru di Kota Semarang. *Value Added : Majalah Ekonomi dan Bisnis*, 8(1), 1–21.

<https://jurnal.unimus.ac.id/index.php/vadded/article/download/722/776>.
<https://doi.org/10.26714/vameb.v8i1.722>

Pering, I Made A. A. (2021). Kajian Analisis Jalur dengan Structural Equation Modeling (SEM) SMART-PLS 3.0. *Jurnal Satyagraha*. Vol. 03 (02), 28 – 48. <http://www.ejournal.universitasmahendradatta.ac.id/index.php/satyagraha/article/view/177/173>

Polly, D., McGee, J., Wang, C., Martin, C., Lambert, R., & Pugalee, D. K. (2015). Linking Professional Development, Teacher Outcomes, and Student Achievement: The Case of A Learner-Centered Mathematics Program for Elementary School Teachers. *International Journal of Educational Research*, 72, 26–37. <https://doi.org/10.1016/j.ijer.2015.04.002>

Porro, S. G., Yiga, A. P., Enon, J. C., Mwosi, F., & Eton, M. (2019). Teacher Competence and Performance in Primary Schools in Nwoya District, Northern Uganda. *International Journal of Advanced Educational Research International*, 4(1), 3–8.

Prasetyo, Z. K. (2013). Pembelajaran Sains berbasis Kearifan Lokal”. *Seminar Nasional Fisika dan Pendidikan Fisika*, 1–14. <https://jurnal.fkip.uns.ac.id/index.php/prosfis1/article/viewFile/3316/2332>

Priansa, J. Donni. (2014). *Kinerja dan Profesionalisme Guru*. Alfabeta.

Prihatini, E. (2017). Pengaruh Metode Pembelajaran dan Minat Belajar Terhadap Hasil Belajar IPA. 7(2), 171–179.

Puspita Dewi, N., & Sumardi. (2017). Kontribusi Persiapan Guru Mengajar Terhadap Hasil Belajar Matematika Siswa SMP. *Prosiding Konferensi Nasional Penelitian Matematika dan Pembelajarannya II (KNPMP II) Universitas Muhammadiyah Surakarta, 18 Maret 2017*, 1–11. [https://publikasiilmiah.ums.ac.id/xmlui/bitstream/handle/11617/8805/PM-14-Nia Puspita Dewi dan Sumardi hal 358-368.pdf?sequence=1](https://publikasiilmiah.ums.ac.id/xmlui/bitstream/handle/11617/8805/PM-14-Nia%20Puspita%20Dewi%20dan%20Sumardi%20hal%20358-368.pdf?sequence=1)

Puspitasari, W. D. (2016). Pengaruh Sarana Belajar Terhadap Prestasi Belajar Ilmu Pengetahuan Sosial di Sekolah Dasar. *Urnal Cakrawala Pendas*, 2(2), 105–120. <https://d1wqtxts1xzle7.cloudfront.net/59333289/338-728-1-PB20190520-30366-cm1gy8-with-cover-page-v2.pdf?Expires=1656302912&Signature=B5EzskLcWaU9lXq64ajmq3WvSftAQjnsUaQzMYUBH7Vc2qBtol-iW3Nxxk83ery5qurMG-OuCO7Qh1Up2-ZcXWdH3JfE8lgpZSd7CjQwRVfSnlgLG1xzUN0Tzl>

Putri, A. D. K., & Imaniyati, N. (2017). Pengembangan Profesi Guru dalam Meningkatkan Kinerja Guru (Professional Development of Teachers In Improving The Performance Of Teacher). *Jurnal Pendidikan Manajemen Perkantoran*, 2(2), 2–2–211. <https://pdfs.semanticscholar.org/5f3d/38524a23bf0bf4c8419d53f98c69d8b43dc8.pdf>

- Rapi, Ni Ketut. (2016). Pengaruh Model Pembelajaran dan Jenis Penilaian Formatif Terhadap Hasil Belajar IPA Siswa SMPN. *Cakrawala Pendidikan*, XXXV, No. 1: 1-11.
- Riwayati, Nur. (2015). *Pengaruh Fasilitas Belajar, Disiplin Belajar, dan Metode Mengajar Guru Terhadap Hasil Belajar Siswa Pada Mata Pelajaran Kearsipan Kelas X Jurusan Administrasi Perkantoran di SMK Negeri 1 Salatiga Tahun Ajaran 2014/2015*. Semarang: UNNES.
<http://lib.unnes.ac.id/22255/1/7101411362-s.pdf>
- Rohaeti, E., LFX, E. W., & Padmaningrum, R. T. (2009). Pengembangan Lembar Kerja Siswa (LKS) Mata Pelajaran Sains Kimia untuk SMP. *Inovasi Pendidikan*, 10(1), 1–11.
- Sajidan, Saputro, Perdana, S., Atmojo, R., Widiyanto, I. R., & Nugraha, A. D. (2020). Development of Science Learning Model towards Society 5.0: A Conceptual Model. *International Conference on Science Education and Technology, Journal of Physics: Conference Series*, 1–9.
<https://doi.org/doi:10.1088/1742-6596/1511/1/012124>
- Sawianti, I., Musdalifah, M., & Susdiyanto, S. (2019). Pengaruh Sarana Pembelajaran Terhadap Kinerja Guru. *Manajemen Pendidikan*, 14(1), 1–7.
<https://doi.org/10.23917/jmp.v14i1.8348>
- Scott, S., Scott, D. E., & Webber, C. F. (2016). *Assessment in Education Implications for Leadership*. Springer.
- Septianti, Ririn Dwi, Junaidi H. Matsum, dan Husni Syahrudin. (2020). Pengaruh Antara Penggunaan Variasi Metode Mengajar Oleh Guru Ekonomi Terhadap Minat Belajar Peserta Didik. *Jurnal pendidikan dan pembelajaran:Khatulistiwa*, Vo.11 (1): 1-11.
- Setiaman, Sobur. (2022). *Tutorial Analisa Parsial Model Persamaan Struktural Dengan Software Smart-Pls Versi 3 : Untuk Tenaga Kesehatan*, Edisi Ke 5. Sumedang: Yayasan Bakti Mulia.
https://www.academia.edu/41108281/TUTORIAL_ANALISIS_PARTIAL_LEAST_SQUARE_DENGAN_SMART_PLS_Edisi_5
- Shaheen Fajar, M. Hussain, Hajra Sarwar, M. Afzal, S. A. G. (2019). Factors Affecting Academic Performance of Undergraduate Nursing Students. *International Journal of Social Sciences and Management*, 6(1), 7–16.
<https://doi.org/10.3126/ijssm.v6i1.22563>
- Sudjana, N. (2014). *Dasar-Dasar Proses Belajar Mengajar*. Sinar Baru Algesindo.
- Syafi'i, A., Marfiyanto, T., & Rodiyah, S. K. (2018). Studi Tentang Prestasi Belajar Siswa Dalam Berbagai Aspek dan Faktor yang Mempengaruhi. *Jurnal Komunikasi Pendidikan*, 2(2), 115–123.
<http://journal.univetbantara.ac.id/index.php/komdik/article/view/114/102>

- Syah, M. (2014). *Psikologi Pendidikan dengan Pendekatan Baru Edisi Revisi* (19th ed.). PT. Remaja Rosdakarya.
- Teluma, M., & Rivaie, W. (2019). *Penilaian - Mariyati Teluma, H. Wanto Rivaie - Google Buku* (R. P. Yudha, Ed.; 1st ed.). Penerbit PGRI Provinsi Kalbar.
- Thaib, E. nauli. (2013). Hubungan antara Prestasi Belajar dengan Kecerdasan Emosional. *Jurnal Ilmiah Didaktika*, XIII(2), 384–399.
- TIMSS 2011 Science Framework* (pp. 49–90). (2011).
- Utami, I. T. (2020). Pengaruh Fasilitas Belajar Terhadap Prestasi Belajar Pada Mata Kuliah Korespondensi Indonesia. *Jurnal Sekretari & Administrasi (Serasi)*, 18(2), 13–23.
- Vebrianto, R., & Osman, K. (2011). The Effect of Multiple Media Instruction In Improving Students' Science Process Skill And Achievement. *Procedia - Social and Behavioral Sciences*, 15, 346–350. <https://doi.org/10.1016/j.sbspro.2011.03.099>
- Widoyoko, S. E. P., & Rinawati, A. (2012). Pengaruh Kinerja Guru Terhadap Motivasi Belajar Siswa. *Cakrawala Pendidikan*, XXXI(2), 278-289. <https://journal.uny.ac.id/index.php/cp/article/viewFile/1563/pdf>
- Widyawati, A., & Prodjosantoso. (2015). Pengembangan Media Komik IPA Untuk Meningkatkan Motivasi Belajar dan Karakter Peserta Didik SMP Muhammadiyah 2 Yogyakarta. *Jurnal Inovasi Pendidikan IPA*, 1(1), 12–28.
- Wijanto, S. H. (2007). *Structural Equation Modeling dengan Lisrel 8.8: Konsep dan Tutorial*. Graha Ilmu.
- Wyatt-Smit, C., Klenowsk, V., & Colbert, P. (2017). *The Enabling Power of Assessment*. Springer.
- Wyatt-Smit, C., Klenowski, V., & Colbert, P. (2014). *Designing Assessment for Quality Learning*. Springer.
- Wyatt-Smith, C., & Brisbane. (2017). *The Enabling Power of Assessment*. Springer Nature Singapore Ltd.
- Yang, Y., Liu, X., & Gardella, J. A. (2020). Effects of A Professional Development Program on Science Teacher Knowledge and Practice, and Student Understanding of Interdisciplinary Science Concepts. *Journal of Research in Science Teaching*, 57(7), 1028–1057. <https://doi.org/10.1002/TEA.21620>
- Yuliati, Y. (2017). Literasi Sains Dalam Pembelajaran IPA. *Jurnal Cakrawala Pendas*, 3(2), 21-28. <https://core.ac.uk/download/pdf/228882834.pdf>