

## REFERENCES

- Afandi, Wahyuni, E. S., Kristiana, T., & Putra, D. A. (2021). Profile of Critical Thinking Skills of Students in High School on Climate Change and Waste Recycling Materials. *International Journal of Pedagogy and Teacher Education*, 5(2), 96-104. <https://dx.doi.org/10.20961/ijpte.v5i1.20340>
- Almanea, M. (2024). Less is NOT more for learners: EFL learners' preferences and perceptions of teachers' written corrective feedback. *Acta Psychologica*, 225. <https://doi.org/10.1016/j.actpsy.2025.104926>
- Aronson, E., & Patnoe, S. (1997). *The Jigsaw Classroom: Building Cooperation in the Classroom*. Longman.
- BouJaoude, S. (2002). Balance of scientific literacy themes in science curricula and textbook. In K. S. P. (Ed.), *Proceedings of the IOSTE Symposium in Science and Technology Education* (Vol. 1, pp. 11–14). Paralimni, Cyprus.
- Braun, V., & Clarke, V. (2006). Using thematic analysis in psychology. *Qualitative Research in Psychology*, 3(2), 77-101.
- Brown, H. D., & Lee, H. (2015). *Teaching by Principles: An Interactive Approach to Language Pedagogy*. P. Ed Australia.
- Bybee, R. W. (1997). *Achieving scientific literacy: From purposes to practices*. Heinemann.
- Chamot, A. U., & O'Malley, J. M. (2005). Language Learning Strategy Instruction: Current Issues and Research. *Annual Review of Applied Linguistics*. <https://doi.org/10.1017/S0267190505000061>
- Fernandes, R., Willioson, J., & Boyle, C. (2024). Characteristics of facilitated critical thinking when students listen to and speak English as an additional

language in Indonesia. *Thinking Skills and Creativity*, 52.  
<https://doi.org/10.1016/j.tsc.2024.101513>

Fitriani, R., Iskandar, I., & Suseno, M. (2023). The Implementation of Higher Order Thinking Skills (HOTS) in English Language Teaching: A Case of Indonesian Senior High School EFL Teachers. *Didaktika: Jurnal Kependidikan*, 12(4), 739-749.

Harvey, S., & Goudvis, A. (2007). *Strategies That Work: Teaching Comprehension for Understanding and Engagement*. Stenhouse Publishers.

Holbrook, J., & Rannikmäe, M. (1997). *Supplementary Teaching Materials: Promoting Scientific and Technological Literacy: Student's Guide*. ICASE.

Holbrook, J., & Rannikmae, M. (2009). The meaning of scientific literacy. *International Journal of Environmental and Science Education*, 4(3), 275-288.

Hurd, P. D. (1998). Scientific literacy: New minds for a changing world. *Science Education*, 82(3), 407-416.

Kelly, G. J. (2011). Scientific Literacy, Discourse, and Epistemic Practices<sup>1</sup>. In C. Linder, L. Östman, D. A. Roberts, P.-O. Wickman, G. Erickson, & A. MacKinnon (Eds.), *Exploring the Landscape of Scientific Literacy* (pp. 61-70). Taylor & Francis.

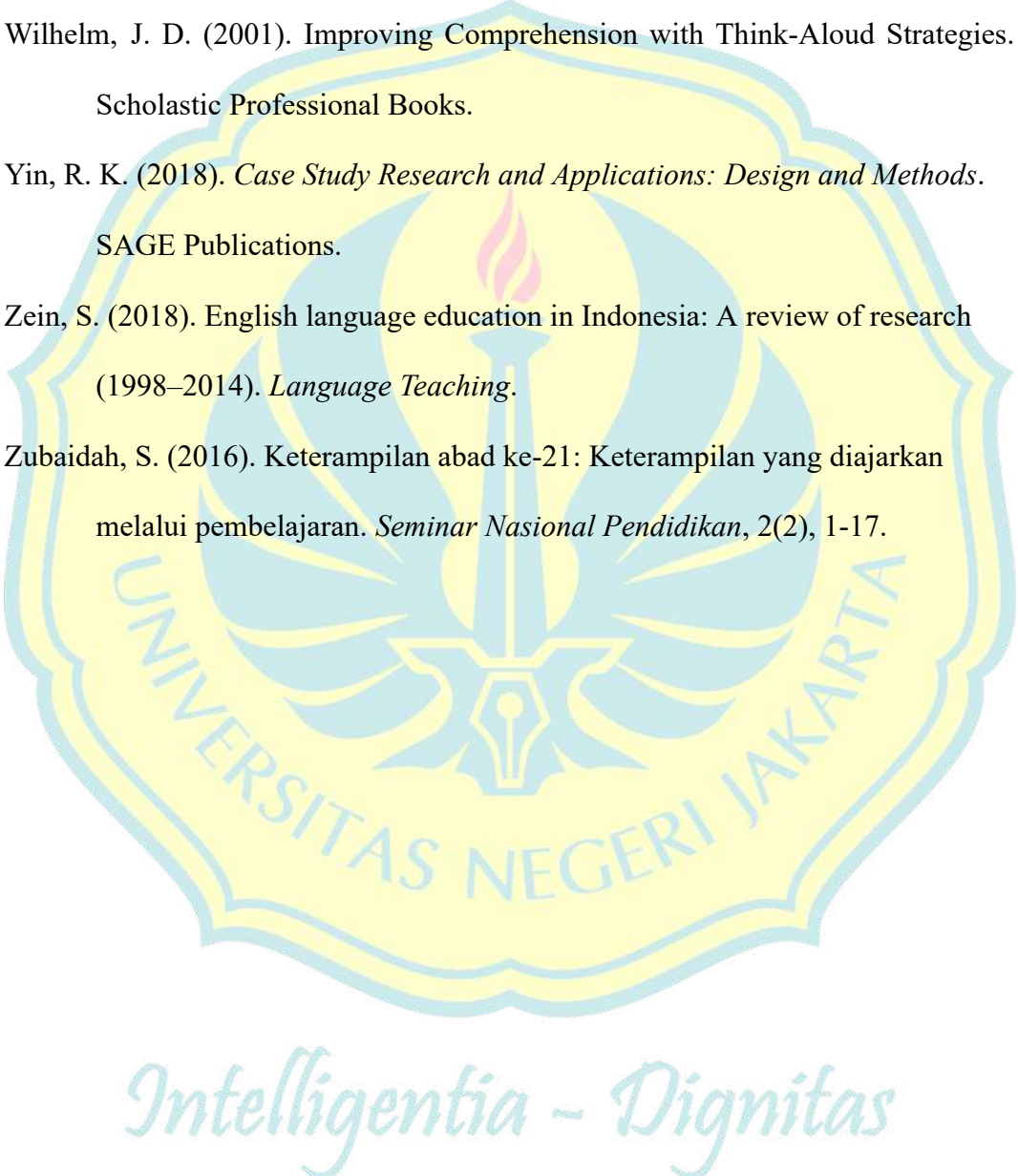
Kementerian Pendidikan dan Kebudayaan (Kemendikbud). (2020). *Desain pengembangan soal Asesmen Kompetensi Minimum (AKM)*. Pusat Asesmen dan Pembelajaran, Badan Penelitian dan Pengembangan dan Perbukuan, Kementerian Pendidikan dan Kebudayaan.

- Kim, S. L., & Kim, D. (2021). English learners' science-literacy practice through explicit writing instruction in invention-based learning. *International Journal of Education Research Open*.  
<https://doi.org/10.1016/j.ijedro.2020.100029>
- Kumaravadivelu, B. (2006). *Understanding language teaching: from method to post-method*. Lawrence Erlbaum Associates.
- Lauder, A. (2008). The status and function of English in Indonesia: A review of key factors. *Makara Human Behavior Studies in Asia*, 12(1), 9–20.  
<https://doi.org/10.7454/mssh.v12i1.128>
- Mukhlis, M., Suwandi, S., Rohmadi, M., & Setiawan, B. (2023). Higher Order Thinking Skills in Reading Literacy Questions at Vocational High Schools in Indonesia. *International Journal of Language Education*, 7(4).  
<https://doi.org/10.26858/ijole.v7i4.37603>
- National Research Council. (1996). *National Science Education Standards*. National Academy Press.
- Norris, S. P., & Phillips, L. M. (2003). How literacy in its fundamental sense is central to scientific literacy. *Science Education*, 87(2), 224-240.  
<https://doi.org/10.1002/sce.10066>
- Nugraha, M. U., Apriliya, S., Nusrofa, R., Dinaryanti, D., Purnamawanti, E., & Rahmi, H. A. (2024). How are critical thinking skills on Indonesian language learning on minimum competency assessment (AKM) literacy based? *Indonesian Journal of Primary Education*, 8, 137-146.  
<http://ejournal.upi.edu/index.php/IJPE/index>

- OECD. (2007). *PISA 2006: Assessing scientific, reading and mathematical literacy: A framework for PISA 2006*. Organisation for Economic Co-operation and Development.
- OECD. (2013). *PISA 2012: Assessment and Analytical Framework: Mathematics, Reading, Science, Problem Solving and Financial Literacy*. Organisation for Economic Co-operation and Development.
- OECD. (2016). *PISA 2015: Assessment and Analytical Framework: Science, Reading, Mathematics, and Financial Literacy*. Organisation for Economic Co-operation and Development.
- OECD. (2019). *PISA 2018: Assessment and Analytical Framework: Reading, Mathematics, Science and Global Competence*. Organisation for Economic Co-operation and Development.
- OECD. (2023). *PISA 2022: Assessment and Analytical Framework: Mathematics, Reading, Science and Creative Thinking*. Organisation for Economic Co-operation and Development.
- Richards, J. C., & Rodgers, T. S. (2014). *Approaches and Methods in Language Teaching*. Cambridge University Press & Assessment.
- Rosebery, A. S., Warren, B., & Conant, F. R. (1992). Appropriating Scientific Discourse: Findings From Language Minority Classroom. *The Journal of The Learning Sciences*, 2(1), 61-94.
- Satake, Y. (2024). The effects of teacher, peer and self-feedback on error correction with corpus use. *Applied Corpus Linguistics*, 4(3).  
<https://doi.org/10.1016/j.acorp.2024.100114>

- Savery, J. R. (2006). Problem-Based Learning: An Inquiry Approach. New Directions for Teaching and Learning, 2006(108), 1-8.  
<https://doi.org/10.1002/tl.246>
- Setyarini, S., Salim, H., & Hartono, S. (2021). Investigating Higher Order Thinking Skills (HOTS)-based Literacy Assessment Implemented by an EFL Teacher at a Junior High School in Indonesia. *Advances in Social Science, Education and Humanities Research*, 595, 647-653.
- Sipe, M. D., Malaluan, N. E., Gayatea, N. E., Zimik, H. R., & Javier, M. (2024). Integration of ELT strategies in science classrooms: Asian university teachers and students' perspectives. *Heliyon*, 10(7).  
<https://doi.org/10.1016/j.heliyon.2024.e27349>
- Sulistiyo, U. (2016). English language teaching and EFL teacher competence in Indonesia. *Proceedings of the 4th International Conference on Education and Language*.
- Sumardi, & Guci, R. I. (2023). HOTS-based language assessment literacy: Challenges and prospects in English language teaching. *INDONESIAN JOURNAL OF APPLIED LINGUISTICS*, 12(3), 818-827.  
<https://doi.org/10.17509/ijal.v12i3.44261>
- UNESCO. (1993). *Final Report: International forum on scientific and technological literacy for all*. United Nations Educational, Scientific and Cultural Organisation.
- Westwood, P. S. (2008). *What Teachers Need to Know about Teaching Methods*. ACER Press.

- Wijaya, A. (2022). Augmenting scientific literacy through HOTS instruction in EFL classroom: Students' perception. *CONCEPT: Community Concern for English Pedagogy and Teaching*, 8(2).  
<http://dx.doi.org/10.32534/jconcept.v8i2.3322>
- Wilhelm, J. D. (2001). *Improving Comprehension with Think-Aloud Strategies*. Scholastic Professional Books.
- Yin, R. K. (2018). *Case Study Research and Applications: Design and Methods*. SAGE Publications.
- Zein, S. (2018). English language education in Indonesia: A review of research (1998–2014). *Language Teaching*.
- Zubaidah, S. (2016). Keterampilan abad ke-21: Keterampilan yang diajarkan melalui pembelajaran. *Seminar Nasional Pendidikan*, 2(2), 1-17.



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