

PENDEKATAN GURU DALAM BERTANYA DI PENDIDIKAN ANAK USIA DINI

TESIS

diajukan untuk memperoleh gelar magister pada program Magister Pendidikan Anak Usia Dini Universitas Pendidikan Indonesia



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***TEACHERS' APPROACHES TO QUESTIONING DURING ONLINE TEACHING
IN EARLY CHILDHOOD EDUCATION***

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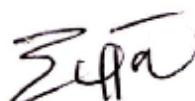
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PENDEKATAN GURU DALAM BERTANYA DI PENDIDIKAN ANAK USIA DINI

ABSTRAK

Pertanyaan menarik. Bertanya telah menjadi alat pengajaran tertua yang digunakan guru di kelas karena efek positifnya terhadap pembelajaran siswa. Meskipun banyak manfaat yang dimilikinya dalam mengembangkan berbagai keterampilan dalam pembelajaran siswa, praktik guru yang buruk dalam menggunakan pertanyaan selama diskusi kelas telah menjadi masalah yang masih ada setelah penelitian dan pengembangan selama beberapa dekade, namun menimbulkan hambatan bagi siswa untuk mendapatkan manfaat darinya. proses tanya jawab. Belum lagi masalah keterbatasan waktu mengajar selama pembelajaran daring yang disebabkan oleh pandemi COVID-19. Berdasarkan kenyataan tersebut, tujuan dari penelitian ini adalah untuk menggali lebih dalam proses bertanya selama diskusi kelas dan menetapkan kerangka kerja untuk pertanyaan yang efektif selama diskusi kelas. Metode penelitian yang digunakan dalam penelitian ini adalah grounded theory. Studi ini mencakup rekaman video pengajaran online berdurasi 360 menit, catatan observasi, dokumen rencana pengajaran, dan survei demografis dari dua guru prasekolah. Sorotan dari temuan penelitian ini adalah pola pertanyaan yang membingkai semua variabel yang ditangkap dalam penelitian ini dan jenis hubungan antar variabel yang teridentifikasi untuk memungkinkan pengembangan kerangka teori.

Kata kunci: tanya jawab efektif, pengajaran online, diskusi kelas, pendidikan anak usia dini.

TEACHER'S APPROACH TO ASKING IN EARLY CHILDHOOD EDUCATION

ABSTRACT

Questions are intriguing. Questioning has been the oldest teaching tool teachers have used in the classroom because of its positive effect on students' learning. Despite the many benefits that it holds in developing various skills in students' learning, teachers' poor practice in using questioning during classroom discussion has been an issue that is still present after decades of research and development, yet creates a hindrance for students to benefit from the questioning process. Not to mention the issue of limited teaching time during online teaching caused by the COVID-19 pandemic. Based on this reality, the goal of this research is to delve deeper into the questioning process during classroom discussions and establish a framework for effective questioning during classroom discussion. The research method used in this study was grounded theory. This study included 360 minutes of transcribed online teaching video footage, observation notes, teaching plan documents, and demographic surveys from two preschool teachers. The highlights of the findings of this research are the questioning patterns that frame all the variables captured in this research and the identified types of relationships among variables to make it possible to develop a theoretical framework.

Keywords: effective questioning, online teaching, classroom discussion, early childhood education.

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DAFTAR PUSTAKA

- Abou-Khalil, V., Helou, S., Khalifé, E., Chen, M. A., Majumdar, R., & Ogata, H. (2021). Emergency online learning in low-resource settings: Effective student engagement strategies. *Education Sciences*, 11(1). <https://doi.org/10.3390/educsci11010024>
- Ackerman, P. L. (1996). A theory of adult intellectual development: Process, personality, interests, and knowledge. *Intelligence*, 22(2). [https://doi.org/10.1016/S0160-2896\(96\)90016-1](https://doi.org/10.1016/S0160-2896(96)90016-1)
- Albergaria-Almeida, P. (2010). Classroom questioning: Teachers' perceptions and practices. *Procedia - Social and Behavioral Sciences*, 2(2), 305–309. <https://doi.org/10.1016/j.sbspro.2010.03.015>
- Anderson, L. W., & Krathwohl, D. R. (2001). *A taxonomy for learning, teaching, and assessing: A revision of Bloom's taxonomy of educational objectives*. Longman.
- Balwant, P. T. (2018). The meaning of student engagement and disengagement in the classroom context: lessons from organisational behaviour. *Journal of Further and Higher Education*, 42(3). <https://doi.org/10.1080/0309877X.2017.1281887>
- Barden, L. M. (1995). Effective questioning and the ever-elusive higherorder question. *The American Biology Teacher*, 57, 423–426.
- Barnes, D. (1976). *From Communication to Curriculum*. Boynton/Cook Publishers.
- Barnette, J., Orletsky, S., & Sattes, B. (1994). *Evaluation of teacher classroom questioning behaviors*.
- Baxter, P., & Jack, S. (2015). Qualitative Case Study Methodology: Study Design and Implementation for Novice Researchers. *The Qualitative Report*. <https://doi.org/10.46743/2160-3715/2008.1573>
- Black, S. (2001). Ask me a question: How teachers use inquiry in a classroom. *American School Board Journal*, 188(5), 43–45.
- Boaler, J., & Brodie, K. (2004). The Importance, Nature, and Impact of Teacher Questions. *Proceedings of the 26th Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education*.
- Boswell, C. (n.d.). *The Art of Questioning Improving Critical Thinking*.
- Braun, V., & Clarke, V. (2006). Using thematic analysis in psychology. *Qualitative Research in Psychology*, 3(2). <https://doi.org/10.1191/1478088706qp063oa>
- Brink, H. I. L. (1993). *VALIDITY AND RELIABILITY IN QUALITATIVE RESEARCH*.
- Brown, G., & Wragg, E. C. (1993). *Questioning*. Psychology Press.
- Brubacher, S. P., Powell, M. B., Snow, P. C., Skouteris, H., & Manger, B. (2016). Guidelines for teachers to elicit detailed and accurate narrative accounts from

- children. *Children and Youth Services Review*, 63, 83–92. <https://doi.org/10.1016/j.childyouth.2016.02.018>
- Byrne, D. (2022). A worked example of Braun and Clarke's approach to reflexive thematic analysis. *Quality and Quantity*, 56(3). <https://doi.org/10.1007/s11135-021-01182-y>
- Carter, N., Bryant-Lukosius, D., Dicenso, A., Blythe, J., & Neville, A. J. (2014). The use of triangulation in qualitative research. In *Oncology Nursing Forum* (Vol. 41, Issue 5, pp. 545–547). Oncology Nursing Society. <https://doi.org/10.1188/14.ONF.545-547>
- Charmaz, K. (1996). The search for Meanings - Grounded Theory. In J.A. Smith, R. Harré, & L. Van Lengenhove (Eds), Rethinking Methods in Psychology. In *Grounded Theory*.
- Chin, C. (2004). Students' questions: Fostering a culture of inquisitiveness in science classrooms. *School Science Review*, 86(314), 107–112.
- Chinn, C. A., O'donnell, A. M., & Jinks, T. S. (2000). The structure of discourse in collaborative learning. *Journal of Experimental Education*, 69(1). <https://doi.org/10.1080/00220970009600650>
- Clark, C. M., & et al. (1979). A factorial experiment on teacher structuring, soliciting, and reacting. *Journal of Educational Psychology*, 71(4). <https://doi.org/10.1037/0022-0663.71.4.534>
- Coleman, J. S., Campbell, E. Q., Hobson, C. J., McPartland, J., Mood, A. M., Weinfeld, F. D., & York, R. L. (2019). Equality of educational opportunity. In *Equality and Achievement in Education*. <https://doi.org/10.1146/annurev.so.14.080188.001341>
- Collins, R. (2014). Skills for the 21st century: teaching higher-order thinking. *Curriculum & Leadership Journal*, 12(14).
- Commeiras, M. (1995). What can we learn from students' questions? *Theory Into Practice*, 34(2), 101–106. <https://doi.org/10.1080/00405849509543666>
- Corbin, J. M., & Strauss, A. (1990). Grounded theory research: Procedures, canons, and evaluative criteria. *Qualitative Sociology*, 13(1). <https://doi.org/10.1007/BF00988593>
- Costa, A. L., & Kallick, B. (2000). *Discovering & exploring habits of mind*. VA.: Association for Supervision and Curriculum Development.
- Cotton, K. (1988). Classroom Questioning. *School Improvement Research Series*.
- Daniels, H. (2016). Vygotsky and Pedagogy. In *Vygotsky and Pedagogy*. <https://doi.org/10.4324/9781315617602>
- Darling-Hammond, L. (2000). Teacher quality and student achievement: A review of state policy evidence. In *Education Policy Analysis Archives* (Vol. 8).

- Dawson, C. (2007). A Practical Guide to Research Method. *The Effects of Brief Mindfulness Intervention on Acute Pain Experience: An Examination of Individual Difference*, 3.
- Dillon, J. T. (1994). *Using discussion in classrooms*. Philadelphia: Open University Press.
- Diningrat, S. W. M., Nindya, M. A., & Salwa. (2020). Emergency online teaching: Early childhood education lecturers' perception of barrier and pedagogical competency. *Cakrawala Pendidikan*, 39(3). <https://doi.org/10.21831/cp.v39i3.32304>
- Ellis, T. J., & Levy, Y. (2008). Framework of problem-based research: A guide for novice researchers on the development of a research-worthy problem. *Informing Science*, 11. <https://doi.org/10.28945/3288>
- Ferguson, P., & Womack, S. T. (1993). The Impact of Subject Matter and Education Coursework on Teaching Performance. *Journal of Teacher Education*, 44(1). <https://doi.org/10.1177/0022487193044001008>
- Gage, N. L., & Berliner, D. C. (1998). *Educational psychology* (6th ed.). Houghton Mifflin.
- Gall, M. (1984). *Synthesis of Research on Teachers' Questioning*.
- Gall, M. D. (1970). The use of questions in teaching. *Review of Educational Research*, 40(5), 707–721. <https://doi.org/10.3102/00346543040005707>
- Goodwin, M. H., & Kyrtzis, A. (2007). Children socializing children: Practices for negotiating the social order among peers. In *Research on Language and Social Interaction* (Vol. 40, Issue 4). <https://doi.org/10.1080/08351810701471260>
- Hamel, E., Joo, Y., Hong, S. Y., & Burton, A. (2021). Teacher Questioning Practices in Early Childhood Science Activities. *Early Childhood Education Journal*, 49(3), 375–384. <https://doi.org/10.1007/s10643-020-01075-z>
- Hamre, B. K., Pianta, R. C., Burchinal, M., Field, S., Locasale-Crouch, J., Downer, J. T., Howes, C., Laparo, K., & Scott-Little, C. (2012). A Course on Effective Teacher-Child Interactions: Effects on Teacher Beliefs, Knowledge, and Observed Practice. *American Educational Research Journal*, 49(1), 88–123. <https://doi.org/10.3102/0002831211434596>
- Hanushek, E. A. (1971). Teacher characteristics and gains in student achievement: Estimation using micro data. *American Economic Review*, 61(2).
- Harlen, W. (1999). Effective teaching of science. In *SCRE Publication* (Vol. 142).
- Harris, B. (2014). *Creating a Classroom Culture That Supports the Common Core*. Routledge.
- Hodges, C., Moore, S., Lockee, B., Trust, T., & Bond, A. (2020). The Difference Between Emergency Remote Teaching and Online Learning. *Educause*.

- Howlett, D., Vincent, T., Gainsborough, N., Fairclough, J., Taylor, N., Cohen, J., & Vincent, R. (2009). Integration of a case-based online module into an undergraduate curriculum: What is involved and is it effective? *E-Learning*, 6(4). <https://doi.org/10.2304/elea.2009.6.4.372>
- Hurst, D. (2001). Dialogic Inquiry: Towards a Sociocultural Practice and Theory of Education, by G. Wells, (1999). *Interchange*, 32(1).
- Joseph, S. (2018). Questions Teachers Ask: An Exploratory Study of Teachers' Approach to Questioning in the Primary and Secondary Classroom. In *Journal of Education & Social Policy* (Vol. 5, Issue 1). www.jespnet.com
- Josephson, A., & Smale, M. (2021). What Do you Mean by "Informed Consent"? Ethics in Economic Development Research†. *Applied Economic Perspectives and Policy*, 43(4), 1305–1329. <https://doi.org/10.1002/aepp.13112>
- Kaarbo, J., & Beasley, R. K. (1999). A practical guide to the comparative case study method in political psychology. *Political Psychology*, 20(2). <https://doi.org/10.1111/0162-895X.00149>
- Kemmis, S., McTaggart, R., & Nixon, R. (2014). The action research planner: Doing critical participatory action research. In *The Action Research Planner: Doing Critical Participatory Action Research*. <https://doi.org/10.1007/978-981-4560-67-2>
- Keong, K., Ong, A., Hart, C. E., & Chen, P. K. (2016). Promoting Higher-Order Thinking Through Teacher Questioning: a Case Study of a Singapore Science Classroom. In *New Waves Educational Research & Development* (Vol. 19, Issue 1).
- Kostelnik, M. J., Gregory, K. M., Soderman, A. K., & Whiren, A. P. (2012). *Guiding children's social development and learning* (7th edition). Wadsworth.
- la Paro, K. M., Hamre, B. K., Locasale-Crouch, J., Pianta, R. C., Bryant, D., Early, D., Clifford, R., Barbarin, O., Howes, C., & Burchinal, M. (2009). Quality in kindergarten classrooms: Observational evidence for the need to increase children's learning opportunities in early education classrooms. *Early Education and Development*, 20(4). <https://doi.org/10.1080/10409280802541965>
- Larson, L. C., & Miller, T. N. (2011). 21st Century Skills: Prepare Students for the Future. *Kappa Delta Pi Record*, 47(3). <https://doi.org/10.1080/00228958.2011.10516575>
- Martin, D. J. (2012). *Elementary science methods: A constructivist approach*. (3rd ed.). Thomson/Wadsworth Inc.
- Maxwell, J. A. (2013). *Qualitative Research Design* (3rd edition). Sage.
- McDevitt, T. M., Ormrod, J. E., Cupit, G., Chandler, M., & Aloa, V. (2013). Child Development and Education. In *Textbook*.
- Miles, Anthony. D. (2017). A taxonomy of research gaps: Identifying and defining the seven research gaps(Doctoral Student Workshop: Finding Research Gaps-Research Methods and Strategies). *Journal of Research Methods and Strategies*, 01(01).

- Omari, H. A. (2018). Analysis of the Types of Classroom Questions Which Jordanian English Language Teachers Ask. *Modern Applied Science*, 12(4), 1. <https://doi.org/10.5539/mas.v12n4p1>
- Paul, R. ;, & Elder, L. (2007). Critical Thinking: The Art of Socratic Questioning. *Journal of Developmental Education*; Fall, 31, 36.
- Prieto, L. P., Magnuson, P., Dillenbourg, P., & Saar, M. (2020). Reflection for action: designing tools to support teacher reflection on everyday evidence. *Technology, Pedagogy and Education*, 29(3), 279–295. <https://doi.org/10.1080/1475939X.2020.1762721>
- Ramsey, I., Gabbard, C., Clawson, K., Lee, L., & Henson, K. T. (1990). Questioning: An Effective Teaching Method. *The Clearing House: A Journal of Educational Strategies, Issues and Ideas*, 63(9). <https://doi.org/10.1080/00098655.1990.10114144>
- Robinson, K. A., Saldanha, I. J., & McKoy, N. A. (2011). Development of a framework to identify research gaps from systematic reviews. *Journal of Clinical Epidemiology*, 64(12). <https://doi.org/10.1016/j.jclinepi.2011.06.009>
- Rohmadi, M., Sudaryanto, M., Ulya, C., Akbariski, H., & Putri, U. (2020). *Case Study: Exploring Golden Age Students' Ability and Identifying Learning Activities in Kindergarten*. <https://doi.org/10.4108/eai.26-11-2019.2295218>
- Rüth, U. (2022). *Responding versus Reacting: Neville Symington's On the Possibility of Human Freedom (1990) and the concept of Projective Identification Prevention of maltreatment of children and adolescents-forensic and clinical viewpoints View project*. <https://www.researchgate.net/publication/359173359>
- Saldaña, J. (2016). The Coding Manual for Qualitative Researchers (No. 14). Sage.
- Sanders, R. E. (1993). The art of effective trainer questioning. *ISA Transactions*, 32(1), 19–21. [https://doi.org/10.1016/0019-0578\(93\)90007-J](https://doi.org/10.1016/0019-0578(93)90007-J)
- Sands, L., Carr, M., & Lee, W. (2012). Question-asking and question-exploring. *European Early Childhood Education Research Journal*, 20(4). <https://doi.org/10.1080/1350293X.2012.737705>
- Schuitema, J., Dam, G. ten, & Veugelers, W. (2008). Teaching strategies for moral education: A review. In *Journal of Curriculum Studies* (Vol. 40, Issue 1). <https://doi.org/10.1080/00220270701294210>
- Schuitema, J., Radstake, H., van de Pol, J., & Veugelers, W. (2018). Guiding classroom discussions for democratic citizenship education. *Educational Studies*, 44(4). <https://doi.org/10.1080/03055698.2017.1373629>
- Seel, N. M., & Dijkstra, S. (2004). *Curriculum, Plans, and Processes in Instructional Design: International Perspectives*. Lawrence Erlbaum Associates Publisher.
- Shi, M., & Tan, C. Y. (2020). Beyond Oral Participation: A Typology of Student Engagement in Classroom Discussions. *New Zealand Journal of Educational Studies*, 55(1). <https://doi.org/10.1007/s40841-020-00166-0>

- Silva, E. (2008). Measuring skills for 21st-century learning. *Phi Delta Kappan*, 90(9). <https://doi.org/10.1177/003172170909000905>
- Smith, K., & Biley, F. (1997). Understanding grounded theory principles and evaluation. *Nurse Researcher*, 4(3). <https://doi.org/10.7748/nr1997.04.4.3.17.c5870>
- Spear-Swerling, L., & Brucker, P. O. (2004). Preparing novice teachers to develop basic reading and spelling skills in children. *Annals of Dyslexia*, 54(2). <https://doi.org/10.1007/s11881-004-0016-x>
- Stobaugh, Rebecca. (2013). *Assessing critical thinking in middle and high schools : meeting the common core*. Routledge.
- Stone, C. A. (1998). The Metaphor of Scaffolding: Its Utility for the Field of Learning Disabilities. *Journal of Learning Disabilities*, 31(4). <https://doi.org/10.1177/002221949803100404>
- Strasser, K., Larraín, A., & Lissi, M. R. (2013). Effects of Storybook Reading Style on Comprehension: The Role of Word Elaboration and Coherence Questions. *Early Education and Development*, 24(5), 616–639. <https://doi.org/10.1080/10409289.2012.715570>
- Stronge, James. H. (2007). *Qualities of effective teachers* (2nd edition). ASCD. www.ascd.org
- Sulaiman, J., & Ismail, S. N. (2020). Teacher competence and 21st century skills in transformation schools 2025 (TS25). *Universal Journal of Educational Research*, 8(8). <https://doi.org/10.13189/ujer.2020.080829>
- Susskind, E. (1979). Encouraging teachers to encourage children's curiosity a pivotal competence. *Journal of Clinical Child Psychology*, 8(2), 101–106. <https://doi.org/10.1080/15374417909532896>
- Sutama, I. W., Gonadi, L., & Anisa, N. (2019). Developing learning models to increase higher order thinking skills in early childhood. *International Journal of Innovation, Creativity and Change*, 5(5), 562–578.
- Taherdoost, H. (2016). Sampling Methods in Research Methodology; How to Choose a Sampling Technique for Research. In *International Journal of Academic Research in Management (IJARM)* (Vol. 5, Issue 2). <https://ssrn.com/abstract=3205035>
- Tharp, R. G., & Gallimore, R. (1991). Rousing minds to life: teaching, learning, and schooling in social context. In *Choice Reviews Online* (Issue 11). Cambridge University Press. <https://doi.org/10.5860/choice.26-6394>
- TheBestSchools. (2020). *Synchronous Learning vs. Asynchronous Learning in Online Education*. The Quad Magazine.
- Tyler, R. W. (1949). *Basic Principles Of Curriculum And Instruction*. The University of Chicago Press.

- van de Pol, J., Volman, M., & Beishuizen, J. (2010). Scaffolding in teacher-student interaction: A decade of research. In *Educational Psychology Review* (Vol. 22, Issue 3). <https://doi.org/10.1007/s10648-010-9127-6>
- Verenikina, I. (2003). Understanding Scaffolding and the ZPD in Educational Research. *Development.*
- Veugelers, W. (2000). Different ways of teaching values. *Educational Review*, 52(1). <https://doi.org/10.1080/00131910097397>
- Walsh, J. A., & Sattes, B. D. (2005). *Quality questioning. Research-based practice to engage every learner.* AEL.
- Walsh, J. A., & Sattes, B. D. (2010). *Leading through quality questioning. Creating capacity, commitment, and community.* Corwin.
- Walsh, R. L. (2015). *Catering for the needs of intellectually gifted children in early childhood: Development and evaluation of questioning strategies to elicit higher order thinking.*
- Walsh, R. L., & Kemp, C. (2019). The effect of higher-order questioning on the complexity of gifted preschoolers' language. *Australasian Journal of Gifted Education*, 28(1), 6–23. <https://doi.org/10.21505/ajge.2019.0002>
- Wells, G. (1999). Dialogic Inquiry. In *Dialogic Inquiry*. <https://doi.org/10.1017/cbo9780511605895>
- Wenglinsky, H. (2000). How Teaching Matters: Bringing the Classroom Back Into Discussions of Teacher Quality. *ETS Report*.
- Whalley, J. L., Lister, R., Thompson, E., Clear, T., Robbins, P., Ajith Kumar, P. K., & Prasad, C. (2006). An Australasian study of reading and comprehension skills in novice programmers, using the bloom and SOLO taxonomies. *Conferences in Research and Practice in Information Technology Series*, 52.
- Wichanpricha, T. (2021). Synchronous online learning through microsoft teams at tertiary level: Academic English course. *Journal of Educational and Social Research*, 11(5). <https://doi.org/10.36941/jesr-2021-0111>
- Wilcox-Herzog, A. (2010). *Early Education and Development Is There a Link Between Teachers' Beliefs and Behaviors?* https://doi.org/10.1207/s15566935eed1301_5
- Wilen, W. (1991). Questioning Skills, for Teachers. What Research Says to the Teacher. *National Education Association*.
- Wragg, E. C., & Brown, G. (2002). *Questioning in the Primary School.*
- Yang, H. (2017). A Research on the Effective Questioning Strategies in Class. *Science Journal of Education*, 5(4). <https://doi.org/10.11648/j.sjedu.20170504.16>
- Yang, J., Yu, H., & Chen, N. shing. (2019). Using blended synchronous classroom approach to promote learning performance in rural area. *Computers and Education*, 141. <https://doi.org/10.1016/j.compedu.2019.103619>

- Yen, T. S., & Halili, S. H. (2015). Effective teaching of higher-order thinking (HOT) in education. *The Online Journal of Distance Education and E-Learning*, 3(2), 41–47. www.tojdel.net
- Yoon, J., & Onchwari, J. A. (2006). Teaching young children science: Three key points. *Early Childhood Education Journal*, 33(6). <https://doi.org/10.1007/s10643-006-0064-4>