

## DAFTAR PUSTAKA

- Agus, I. P., Adnyana, P., Suarni, N. K., & Koyan, I. W. (2014). Pengaruh Penerapan Model Pembelajaran Kontekstual Berbasis Diskusi Kelompok Debat Terhadap Kemampuan Berpikir Analitik Mata Pelajaran PPKn Ditinjau dari Sikap Sosial Siswa X MM SMK PGRI 2 Badung. *E-Journal Program Pascasarjana Universitas Pendidikan Ganesha*, 4(2).
- Amalia, R. (2016). Kemampuan Berpikir Matematis Mahasiswa dalam Menyelesaikan Masalah Geometri. *Jurnal Pendidikan Matematika*, 4 No.2, 118–125.
- Anderson, et al. (2010). *A Taxonomy for Learning, Teaching, and Assessing: A Revision of Bloom's Taxonomy of Educational Objectives*. New York: David McKay Company, Inc.
- Anwar, C. (2017). *Teori-Teori Pendidikan* (1st ed.). Yogyakarta: IRCiSoD.
- Areesophonpichet, S. (2013). A Development of Analytical Thinking Skills of Graduate Students by using Concept Mapping. *The Asian Conference on Education*, 1–16.
- Arifin, & Khanafiyah, S. (2011). Penerapan Model Pembelajaran Aktif Melalui Strategi Rotating Trio Exchange untuk Meningkatkan Kemampuan Analisis dan Aktivitas Belajar Siswa SMA Kelas X Semester II Pokok Bahasan Kalor. *Jurnal Pendidikan Fisika Indonesia*, 7(May 2011), 97–100. <https://doi.org/10.15294/jpfi.v7i2.1079>
- Arikunto, S. (2015). *Dasar-Dasar Evaluasi Pendidikan*. Jakarta: Bumi Aksara.
- Art-in, S. (2014). The development of teacher training curriculum on learning management to develop students' analytical thinking in Thailand. *Procedia - Social and Behavioral Sciences*, 116, 939–945. <https://doi.org/10.1016/j.sbspro.2014.01.324>
- Art-in, S. (2015). Current Situation and Need in Learning Management for Developing the Analytical Thinking of Teachers in Basic Education of Thailand. *Procedia - Social and Behavioral Sciences*, 197(February), 1494–1500. <https://doi.org/10.1016/j.sbspro.2015.07.100>
- Asyari, M., Muhdhar, M. H. I. Al, Susilo, H., & Ibrohim. (2016). Improving critical thinking skills through the integration of problem based learning and group investigation. *International Journal for Lesson and Learning Studies*, 5 No. 1, 36–44. <https://doi.org/10.1108/IJLLS-10-2014-0042>
- Barkley, E. E., Cross, K. P., & Major, C. H. (2014). *Colaborative Learning*

Hayati Nisa, 2019

**PENGARUH PENERAPAN MODEL PEMBELAJARAN KOLABORATIF TEKNIK THINK-ALOUD PAIR PROBLEM SOLVING (TAPPS) DAN TEKNIK GROUP INVESTIGATION TERHADAP KEMAMPUAN BERPIKIR ANALISIS**

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

- Techniques*. Bandung: Nusa Media.
- Barkley, E. F. (2010). *Student Engagement Techniques: A Handbook For College Faculty*. USA: PB Printing.
- Bloom, et all. (1959). *Taxonomy of Educational Objectives the Classifications of Educational Goals Handbook I: : Cognitive Domain*. New York: David Mc Company, inc.
- Brassard, C. (2010). The Collaborative Learning Model. *Centre for Development of Teaching and Learning*, 13(1), 1–14.
- Bruning, R. H., Schraw, G. ., Norby, M. ., & Ronning, R. . (2004). *Cognitif Psychology and Instruction* (4th ed.). Upper Saddle River, NJ: Merrill/ Prentice Hall.
- Cho, Y. H., & Lim, K. Y. T. (2015). Effectiveness of collaborative learning with 3D virtual worlds. *British Journal of Educational Technology*. <https://doi.org/10.1111/bjet.12356>
- Darmadi, H. (2013). *Metode Penelitian Pendidikan dan Sosial*. Bandung: Alfabeta.
- Doymus, K., & Akcay, N. O. (2010). The Effects of Group Investigation and Cooperative Learning Techniques Applied in Teaching Force and Motion Subjects on Students Academic Achievements. *Journal of Educational Sciences Research*, 2(March 2016).
- Duncan, R. . (1995). Piaget and Vygotsky Revisited: Dialogue or Assimilation? *Developmental Review*, 15, 458–472.
- E, N. Y., Handoyo, B., & Purwito, H. (2013). Model Pembelajaran Group Investigation (GI) Terhadap Kemampuan Berpikir Analisis. *Jurnal FKIP Universitas Negeri Malang*, 1–9.
- Gianto, A. . (2016). Peningkatan Kemampuan Memahami Cerita Wayang Tokoh Yudhistira Melalui Model Pembelajaran Group Investigation. *Jurnal Penelitian Pendidikan Indonesia (JPPI)*, 1(2), 61–68.
- Handoko, K. (2014). *Penerapan Metode Pembelajaran Thinking Aloud Pair Problem Solving (TAPPS) dalam Meningkatkan Kemampuan Analisis Siswa*. UPI Bandung: Tidak Diterbitkan.
- Hasan, H. S. (1996). *Pendidikan Ilmu-Ilmu Sosial*. IKIP Bandung: Tidak Diterbitkan.
- Hasanah, A. S. (2004). *Pengaruh Teknik Group Investigation terhadap kemampuan berpikir kritis*. UPI Bandung: Tidak Diterbitkan.
- Ibrahim, M., & Nur, M. (2000). *Pengajaran Berdasarkan Masalah*. Surabaya:

**Hayati Nisa, 2019**

**PENGARUH PENERAPAN MODEL PEMBELAJARAN KOLABORATIF TEKNIK THINK-ALLOUD PAIR PROBLEM SOLVING (TAPPS) DAN TEKNIK GROUP INVESTIGATION TERHADAP KEMAMPUAN BERPIKIR ANALISIS**

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

UNESA University Press.

- Istiyono, E., Mardapi, D., & Suparno. (2014). Pengembangan Tes Kemampuan Berpikir Tingkat Tinggi Fisika (PysTHOTS) Peserta Didik SMA. *Jurnal Pendidikan Dan Evaluasi Pendidikan*, 18 No. 1, 1–12.
- Jeon, K., Huffman, D., & Noh, T. (2005). The Effects of Thinking Aloud Pair Problem Solving on High School Students ' Chemistry Problem-Solving. *Science and Education*, 82(10). <https://doi.org/10.1021/ed082p1558>
- Jhonson, S. D., & Chung, S. P. (1999). The Effect of Think-Aloud Pair Problem Solving (TAPPS) on the Troubleshooting Ability of Aviation Technician Student. *Journal Industrial Teacher Educational*, Volume 37,.
- Joice, B., Well, M., & Calhoun, E. (2000). *Model of Teaching*. Boston: A Pearson Education Company.
- Jones, G. ., & Thornton, C. . (1993). Vygotsky Revisited: nurturing young children's understanding of number. *Journal Focus on Learning Problems in Mathematics*, 15, 18–28.
- Jonnased, D. (2004). *Learning to Solve Problem an Instructional Design Guide*. San Francisco: Willey Imprint.
- Kalpna, T. (2014). A Constructivist Perspective on Teaching and Learning : A Conceptual Framework. *International Research Journal of Social Sciences*, 3 No.1(1), 27–29.
- Kani, N. H. A., & Shahrill, M. (2015). Applying the Thinking Aloud Pair Problem Solving Strategy in Mathematics Lessons. *Asian Journal of Management Sciences & Education*, 4 No. 2(April).
- Kusumaningrum, M., & Saefudin, A. A. (2012). Mengoptimalkan Kemampuan Berpikir Matematika Melalui Pemecahan Masalah. *Prosiding*, (November), 571–580.
- Kuswana, W. S. (2012). *Taksonomi Kognitif Perkembangan Ragam Berpikir*. Bandung: PT Remaja Rosdakarya.
- L.Lin. (2015). Exploring Collaborative Learning : Theoretical and Conceptual Perspectives. <https://doi.org/10.1007/978-3-662-44503-7>
- Laal, M., & Laal, M. (2014). Collaborative learning : What is it? *Social and Behavioral Sciences*, 31(December 2012), 491–495. <https://doi.org/10.1016/j.sbspro.2011.12.092>
- Laksono, E. W., Rohaeti, E., Suyanta, & Irwanto. (2017). Instrumen Penilaian Kemampuan Berpikir Analitis dan Keterampilan Proses Sains Kimia. *Jurnal*

**Hayati Nisa, 2019**

**PENGARUH PENERAPAN MODEL PEMBELAJARAN KOLABORATIF TEKNIK THINK-ALoud PAIR PROBLEM SOLVING (TAPPS) DAN TEKNIK GROUP INVESTIGATION TERHADAP KEMAMPUAN BERPIKIR ANALISIS**

Universitas Pendidikan Indonesia | [repository.upi.edu](https://repository.upi.edu) | [perpustakaan.upi.edu](https://perpustakaan.upi.edu)

*Pendidikan, 1 No. 1*, 100–110.

- Maher, A. (2004). Learning outcomes in higher education: Implications for curriculum design and student learning. *Leisure, Sport and Tourism Education*, 3(2), 1–9. <https://doi.org/10.3794/johlste.32.78>
- Marsh, A. P., & Tainio, L. (2009). Scandinavian Journal of Educational Collaborative Game - play as a Site for Participation and Situated Learning of a Second Language. *Scandinavian Journal of Educational Research*, 53 No. 2(October 2014), 37–41. <https://doi.org/10.1080/00313830902757584>
- Mashuri, & Zainuddin. (2008). *Metode Penelitian*. Bandung: PT Refika Aditama.
- Matthews, R. S. (1996). *Collaborative Learning: Creating Knowledge with Students*. In R. J. Menges, M. Weimer, & Associates (Eds.), *Teaching on solid ground: Using scholarship to improve practice*. San Francisco: Jossey-Bass.
- Mayer, R. E. (2002). Rote Versus Meaningful Learningi, 41(4).
- McLaren, B. (2014). *Collaborative Learning Whitepaper*. Pennsylvania: Carnegie Mellon University.
- Montaku, S. (2011). Results of analytical thinking skills training through students in system analysis and design course, (1934).
- Nasrudin, H., & Azizah, U. (2010). Improvement Thinking Skills and Scientific Attitude Using The Implementation of “Group-Investigation Cooperative Learning” Contextual Oriented at Acid , Base And Salt Topic In Junior High School. *International Conference of Teacher Education*, 763–772.
- Nordentofl, H. M., & Wistoft, K. (2013). Collaborative learning and competence development in school health nursing. *Health Education*, 112 No. 5, 448–468. <https://doi.org/10.1108/09654281211253452>
- Nyikos, M., & Hashimoto, R. (1997). Constructivist Theory Amlied to Collaborative Learning in Teacher Education : In Search of ZPD. *The Modern Language Journal*, 81(4), 506–517. <https://doi.org/10.1111/j.1540-4781.1997.tb05518.x>
- Oxford, R. L. (1997). Cooperative Learning , Collaborative Learning , and Interaction : Three Communicative Strands in the Language Classroom. *The Modern Language Journal*, 81(4), 443–456. <https://doi.org/10.1111/j.1540-4781.1997.tb05510.x>
- Pate, M. L., Wardlow, G. W., & Johnson, D. M. (2004). Effects Of Thinking Aloud Pair Problem Solving On The Troubleshooting Performance Of Undergraduate Agriculture Students Ina Power Technology Class. *Journal of Agricultural Education*, 45 No. 4(4).

**Hayati Nisa, 2019**

**PENGARUH PENERAPAN MODEL PEMBELAJARAN KOLABORATIF TEKNIK THINK-ALLOUD PAIR PROBLEM SOLVING (TAPPS) DAN TEKNIK GROUP INVESTIGATION TERHADAP KEMAMPUAN BERPIKIR ANALISIS**

Universitas Pendidikan Indonesia | [repository.upi.edu](https://repository.upi.edu) | [perpustakaan.upi.edu](https://perpustakaan.upi.edu)

- Perwitasari, V. R. S., Sumarmi, & Amirudin, A. (2016). Pengaruh Group Investigation Berbasis Outdoor Study Terhadap Kemampuan Berpikir Analisis Siswa. *Jurnal Pendidikan Teori, Penelitian Dan Pengembangan, volume 1*, 87–93. <https://doi.org/http://dx.doi.org/10.17977/jp.v1i2.6107>
- Purwanto, B. (2012). Eksperimentasi Model Pembelajaran Kooperatif Tipe Think-Talk-Write (TTW) dan Tipe Think-Pair-Share (TPS) Pada Materi Statistika Ditinjau Dari Kemandirian Belajar Siswa SMA Di Kabupaten Madiun.
- Saptono, S., Rustaman, N. ., Saefudin, & Widodo, A. (2013). Model Integrasi Atribut Asesmen Formatif (Iaaf) dalam Pembelajaran Biologi Sel untuk Mengembangkan Kemampuan Penalaran dan Berpikir Analitik Mahasiswa Calon Guru. *Jurnal Pendidikan IPA Indonesia*, 2(1), 31–40.
- Sato, M. (2007). *Tantangan yang Harus Dihadapi Sekolah*. Jakarta: Sistterms.
- Schunk, D. H. (2012). *Learning Theories* (6th ed.). Yogyakarta: Pustaka Pelajar.
- Setiawan. (2006). *Model Pembelajaran Matematika Dengan Pendekatan Investigasi*. Yogyakarta: Depdinas PPPG Matematika.
- Shachar, H., & Sharan, S. (2012). Talking , Relating , and Achieving : Effects of Cooperative Learning and Whole-Class Instruction, *12*(4), 313–353.
- Sherman, L. W. (1988). A Comparative Study Of Cooperative And Competitive Achievement In Two Secondary Biology Classrooms : The Group Investigation Model Versus An Individually Competitive Goal Structure. *Journal of Research in Science Teaching*, 26(1), 55–64.
- Sholikhah, O. H., Budiyono, & Saputro, D. R. S. (2014). Eksperimentasi Model Pembelajaran Kooperatif Tipe Group Investigation ( GI ) Dan Numbered Heads Together ( NHT ) Pada Materi Garis Singgung Lingkaran Ditinjau Dari Kecerdasan Majemuk Siswa Kelas VIII SMP Negeri Se-Kota Madiun Tahun Ajaran 2013/2014. *Jurnal Elektronik Pembelajaran Matematika*, 2(7), 727–739.
- Sidharta, & Darliana, A. (2005). *Keterampilan Berpikir: Modul Diklat Berjenjang*. Jakarta: Departemen Pendidikan Indonesia.
- Silverman, B. G. (1995). Computer supported collaborative learning (CSCL). *Computers Educ*, 25(3), 81–91. [https://doi.org/https://doi.org/10.1016/0360-1315\(95\)00059-3](https://doi.org/https://doi.org/10.1016/0360-1315(95)00059-3)
- Siribunnam, R., & Tayraukham, S. (2009). Effects of 7-E, KWL and Conventional Instruction on Analytical Thinking, Learning Achievement and Attitudes toward Chemistry Learning. *Journal of Social Sciences*, 5(4), 279–282. <https://doi.org/10.3844/jssp.2009.279.282>

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**PENGARUH PENERAPAN MODEL PEMBELAJARAN KOLABORATIF TEKNIK THINK-ALOUD PAIR PROBLEM SOLVING (TAPPS) DAN TEKNIK GROUP INVESTIGATION TERHADAP KEMAMPUAN BERPIKIR ANALISIS**

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

- Slavin, R. E. (1996). *Education for All*. Exton, PA: Swets & Zeitlinger.
- Slavin, R. E. (2000). *Educational Psychology: Theory and Practice* (6th ed.). Boston: Allyn and Bacon.
- Slavin, R. E. (2005). *Cooperative Learning*. Bandung: Nusa Media.
- Slavin, R. E. (2011). *Psikologi Pendidikan Teori dan praktik*. Jakarta: Permata Puri Media.
- Sugiyono. (2008). *Statistik untuk Penelitian*. Bandung: Alfabeta.
- Suherman, E., & Sukjaya, Y. (1990). *Petunjuk Praktis untuk Melaksanakan Evaluasi Pendidikan Matematika*. Bandung: wijayakusumah 157.
- Tasker, R. (1992). Effective Teaching: What Can a Constructivist View of Learning Offer. *The Australian Science Teacher Journal*, 30.
- Thobroni, M., & Mustafa, A. (2011). *Belajar dan pembelajaran: Pengembangan Wacana dan Praktik Pembelajaran dalam Pembangunan Nasional*. Yogyakarta: Ar-Ruzz Media.
- Tudge, J. R. H., & Scrimsher, S. (2003). *Lev S. Vygotsky on Education: A Cultural Historical, Interpersonal, and Individual Approach to Development*. Dalam B.J Zimmerman & D.H. Schunk (Ed), *Educational Psychology: A century of contributions* (hlm. 207-228). Mahwah, NJ: Erlbaum.
- Wah, L. L. K. (1998). Thinking Aloud about Pair Problem Solving in Chemistry. *Journal Teaching and Learning*, 18(2), 89–95.
- Wardoyo, S. M. (2013). *Pembelajaran Konstruktivisme*. Bandung: Alfabeta.
- Warsono, & Hariyanto. (2013). *Pembelajaran Aktif: Teori dan Asesment*. Bandung: PT Remaja Rosdakarya.
- Waspodo, P., Bindarti, W. E., & Wahjuningsih, E. (2010). The Effect of Using Think Aloud Pair Problem Solving ( TAPPS ) on the Eight Grade Students ' Reading Comprehension Achievement at SMP Islam Gumukmas Jember. *UNEJ Jurnal Edukasi*, 1(1999), 1–3.
- Widjajanti, D. B. (2008). Strategi Pembelajaran Kolaboratif Berbasis Masalah. *Semnas Matematika Dan Pendidikan Matematika*, (5), 1–10.
- Wilhelm, K. H. (1997). Sometimes Kicking and Screaming : Language Teachers- & Training React to a Collaborative Learning Model. *The Modern Language Journal*, 81, 527–543. <https://doi.org/10.1111/j.1540-4781.1997.tb05522.x>
- Winarti. (2015). Profil Kemampuan Berpikir Analisis dan Evaluasi Mahasiswa dalam Mengerjakan Soal Konsep Kalor. *Jurnal Inovasi Dan Pembelajaran Fisika*, 2

Hayati Nisa, 2019

**PENGARUH PENERAPAN MODEL PEMBELAJARAN KOLABORATIF TEKNIK THINK-ALLOUD PAIR PROBLEM SOLVING (TAPPS) DAN TEKNIK GROUP INVESTIGATION TERHADAP KEMAMPUAN BERPIKIR ANALISIS**

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

No.1, 19–24.

Wood, D., & Wood, H. (2006). Oxford Review of Education Vygotsky , Tutoring and Learning. *Oxford Review of Education*, 22 No.1(October 2014), 5–16.  
<https://doi.org/10.1080/0305498960220101>

**Hayati Nisa, 2019**

**PENGARUH PENERAPAN MODEL PEMBELAJARAN KOLABORATIF TEKNIK THINK-ALOUD PAIR PROBLEM SOLVING (TAPPS) DAN TEKNIK GROUP INVESTIGATION TERHADAP KEMAMPUAN BERPIKIR ANALISIS**

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