

IMPLEMENTASI PEMBELAJARAN *ONLINE* DI UNIVERSITAS
(Systematic Literature Review)

SKRIPSI

Diajukan Untuk Memenuhi Salah Satu Syarat Memperoleh Gelar Sarjana
Pendidikan Pada Program Studi Pendidikan Ekonomi



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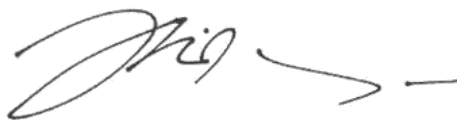
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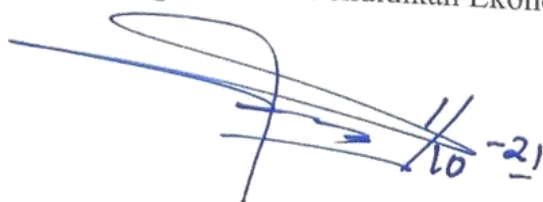


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Sebuah skripsi yang diajukan untuk memenuhi sebagian dari syarat memperoleh gelar Sarjana Pendidikan pada Program Studi Pendidikan Ekonomi Fakultas Pendidikan Ekonomi dan Bisnis

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Inda Ramawati (1703164). “Implementasi Pembelajaran *Online* di Universitas (*Systematic Literature Review*)”. Di Bawah Bimbingan Dosen Pembimbing I: Dr. Ani Pinayani, MM., dan Dosen Pembimbing II: Yana Rohmana, M. Si.

ABSTRAK

Penelitian ini dilatar belakangi oleh banyaknya universitas-universitas yang telah memiliki kelas-kelas *online*, baik universitas mancanegara maupun universitas yang ada di Indonesia sendiri. Tujuan dari penelitian ini untuk mengetahui secara lebih jelas mengenai implementasi pembelajaran *online* pada universitas di seluruh dunia, terutama dilihat dari aspek infrastruktur, infostruktur, dan infokultur pembelajaran. Metode penelitian yang digunakan adalah *systematic literature review*. Pencarian artikel yang relevan dilakukan pada publikasi *online* yang telah memiliki *Digital Object Identifier* (DOI), baik nasional maupun internasional yang diterbitkan antara Tahun 2010 sampai Tahun 2021. Penulis memperoleh 26 artikel yang memenuhi syarat berdasarkan karakteristik pemilihan artikel relevan yang telah ditentukan sebelumnya. Temuan artikel menunjukkan bahwa implementasi pembelajaran *online* berdasarkan infrastuktur belum berjalan dengan baik karena infrastruktur yang digunakan belum memadai, dimana jaringan internet masih kurang stabil dan alat penunjang pembelajaran yang belum memadai. Kemudian implementasi pembelajaran *online* berdasarkan infosturktur telah berjalan dengan baik karena media dan aplikasi pembelajaran yang digunakan terbilang mudah untuk dioperasikan, bahkan video pembelajaran merupakan media yang paling disukai karena dapat dijeda dan diputar ulang. Sementara implementasi pembelajaran *online* berdasarkan infokultur belum berjalan dengan baik karena masih banyak mahasiswa yang belum dapat beradaptasi dengan baik dengan pembelajaran *online* sehingga mereka kesulitan untuk memahami materi yang diberikan dan banyaknya tugas yang mereka miliki menjadi permasalahan tersendiri bagi mahasiswa.

Kata kunci: Pembelajaran *Online*, Infrastruktur, Infostruktur, Infokultur

Inda Ramawati (1703164). “Implementation of Online Learning at University (Systematic Literature Review)”. Under Supervisor I: Dr. Ani Pinayani, MM., and Supervisor II: Yana Rohmana, M. Si.

ABSTRACT

This research is motivated by the number of universities that already have online classes, both foreign universities and universities in Indonesia itself. The purpose of this study is to find out more clearly about the implementation of online learning at universities around the world, especially from the aspect of infrastructure, infostructure, and infoculture. The research method used was a systematic literature review. The search for relevant articles was carried out on the online publications that already had a Digital Object Identifier (DOI), both nationally and internationally, which were published between 2010 and 2021. The author obtained 26 articles that met the requirements based on the characteristics of the selection of relevant article that had been previously determined. The findings of the article show that the implementation of online learning based on infrastructure has not been going well because the infrastructure used is not adequate, where the internet network is still less stable and learning support tools are not adequate. Then the implementation of online learning based on infostructure has been going well because media and applications used are fairly easy to operate, even learning videos are the most preferred media because they can be paused and replayed. While the implementation of online learning based on infoculture has not been going well because there are still many students who have not been able to adapt well to online learning so that they find it difficult to understand the material provided and the number of assignments they have is a problem for students.

Keywords: *Online Learning, Infrastructure, Infostructure, Infoculture*

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DAFTAR PUSTAKA

Buku

- Boaz, A., Hayden, C., & Bernard, M. (1999). *Attitudes and Aspirations of Older People: A Review of The Literature*. United Kingdom: Corporate Document Services.
- Clark, R. C., & Mayer, R. E. (2003). *E-learning and the Science of Instruction*. USA: Piffer.
- Daryanto. (2004). *Keterampilan Dasar Pengoprasian Komputer*. Bandung: Yrama Widya.
- Fathoni, T., & Riyana, C. (2009). *Komponen-komponen Pembelajaran*. Jakarta: PT Raja Grafindo Persada.
- Fullan, M. (1982). *The Meaning of Education Change*. Toronto: Ontario Institute for Studies in Education Press.
- Hamalik, O. (2007). *Manajemen Pengembangan Kurikulum*. Bandung: PT Remaja Rosdakarya.
- Henderson, A. J. (2003). *The e-learning question and answer book*. Nwe York: American Management Association.
- Majid, A. (2015). *Perencanaan Pembelajaran: Mengembangkan Standar Kompetensi Guru*. Bandung: PT Remaja Rosdakarya.
- Marinoni, G., Land, H. v., & Jensen, T. (2020). *The Impact of Covid-19 on Higher Education around the World*. Prancis: International Association of Universities.
- Minovic, M. (2012). *Trailer Project Overview: Tagging, Recognitin and Acknowledgment of Informal Learning Experiences*.
- Munir. (2010). *Kurikulum Berbasis Teknologi Informasi Dan Komunikasi*. Bandung: Alfabeta.
- Nurdin, & Usman. (2011). *Implementasi Pembelajaran*. Yogyakarta: Rajawali Press.
- Nurdin, S., & Usman, B. (2003). *Guru Profesional & Implementasi Kurikulum*. Jakarta: Ciputat Press.

- Pribadi, A. B. (2009). *Model Desain Sistem Pembelajaran*. Jakarta: PT Dian Rakyat.
- Sadiman, A. S., Rahardjo, R., Haryono, A., & Harjito, C. A. (1986). *Media Pendidikan, pengertian, Pengembangan, dan Pemanfaatannya*. Jakarta: Rajawali.
- Syukur, F. (2005). *Teknologi Pendidikan*. Semarang: Rasail.
- Timotius. (2017). *Pengantar Metodologi Penelitian*. Yogyakarta: Andi.
- Togerson. (2003). *Systematic Review*. London: International Publishing Group.
- Uno, H. B. (2012). *Perencanaan Pembelajaran*. Jakarta: Bumi Aksara.
- Usman, M. U. (2000). *Menjadi Guru Profesional*. Bandung: PT Remaja Rosdakarya.
- Warsita, B. (2008). *Teknologi Pembelajaran: Landasan & Aplikasinya*. Jakarta: Rineka.

Karya Ilmiah

- Almarabeh, T. (2014). Students' Perceptions of ELearning at the University of Jordan. *International Journal of Emerging Technologies of Learning, Kassel University Press, Vol. 9, No. 3, 31-35*.
- Almuraqab, N. A. (2020). Shall Universitie at the UAE Continue Distance Learning After the Covid-19 Pandemic? Revealing Students' Perspective. *International Journal of Advanced Research in Engineering and Technology, IAEME Publication, Vol. 11, No. 5, 226-233*.
- Alsaaty, F. M., Carter, E., Abrahams, D., & Alshameri, F. (2016). Traditional versus Online Learning in Institutions of Higher Education: Minority Business Students' Perceptions. *Business and Management Research, Sciedu Press, Vol. 5, No. 2, 31-41*.
- Anwar, K., & Adnan, M. (2020). Online learning amid the COVID-19 pandemic: Students' perspectives. *Journal of Pedagogical Sociology and Psychology, Vol. 2 No. 1, 45-51*.
- Aristovnik, A., Keržič, D., Ravšelj, D., Tomaževič, N., & Umek, L. (2020). Impact of the Covid-19 Pandemic on Life of Higher Education Students: A Global

- Perspective. *Sustainability, Multidisciplinary Digital Publishing Institute, Vol. 12, No. 8438*, 1-34.
- Beale, E. G., Tarwater, P. M., & Lee, V. H. (2014). A Retrospective Look at Replacing Face-to-Face Embryology Instruction With Online Lectures in a Human Anatomy Course. *Anatomical Sciences Education, John Wiley and Sons Inc., Vol. 7, 2014*, 234-241.
- Bergstrand, K., & Savage, S. V. (2013). The Chalkboard Versus the Avatar: Comparing the Effectiveness of Online and Inclass Courses. *Teaching Sociology, Sage Publications Inc., Vol. 41, No. 3*, 294-306.
- Biel, R., & Brame, C. J. (2016). Traditional Versus Online Biology Courses: Connecting Course Design and Student Learning in an Online Setting. *Journal of Microbiology and Biology Education, American Society for Microbiology, Vol. 17, No. 3*, 417-422.
- Cacheiro-Gonzalez, M. L., Medina-Rivilla, A., Dominguez-Garrido, M. C., & Medina-Mominguez, M. (2019). The Learning Platform in Distance Higher Education: Student's Perceptions. *Turkish Online Journal of Distance Education, Anadolu Universitesi, Vol. 20, No. 1*, 71-95.
- Cegarra-Navarro, J.-G., & Rodríguez, F. J. (2012). Factors Affecting the Use of an E-Learning: Portal at University. *Journal Education Computing Research, Sage Publications Inc., Vol. 46, No. 1*, 85-103.
- Citera, M. (1988). Distributed teamwork: The impact of communication media on influence and decision quality. *Journal of the American Society for Information Science Vol. 49 No. 9*, 792–800.
- Coman, C., Țîru, L. G., Meseșan-Schmitz, L., Stanciu, C., & Bularca, M. C. (2020). Online Teaching and Learning in Higher Education during the Coronavirus Pandemic: Students' Perspective. *Sustainability, Multidisciplinary Digital Publishing Institute, 2020, Vol. 12, No. 10367*, 1-24.
- Dhawan, S. (2020). Online Learning: A Panacea in the Time of COVID-19 Crisis. *Journal of Educational Technology, Sage*, 1-18.
- Driscoll, A., Jicha, K., Hunt, A. N., Tichavsky, L., & Thompson, G. (2012). Can Online Courses Deliver In-class Results? A Comparison of Student Performance and Satisfaction in an Online versus a Face-to-face

- Introductory Sociology Course. *Teaching Sociology*, Sage Publications Inc., Vol. 40, No. 4, 312-331.
- El-Seoud, M. S., Taj-Eddin, I. A., Seddiek, N., El-Khouly, M. M., & Nosseir, A. (2014). E-Learning and Students' Motivation: A Research Study on the Effect of E-Learning on Higher Education. *International Journal of Emerging Technologies of Learning*, Kassel University Press, Vol. 9, No. 4, 20-26.
- Febrianto, P. T., Mas'udah, S., & Megasari, L. A. (2020). Implementation of Online Learning during the Covid-19 Pandemic on Madura Island, Indonesia. *International Journal of Learning, Teaching and Educational Research*, Society for Research and Knowledge Management, Vol. 19, No. 8, 233-254.
- Fidalgo, P., Thormann, J., Kulyk, O., & Lencastre, J. A. (2020). Students' Perceptions on the Implementation of ELearning: Helpful or Unhelpful? *International Journal of Educational Technology in Higher Education*, Springer International Publishing, Vol. 17, No. 18, 1-18.
- Girard, J. P., Yerby, J., & Floyd, K. (2016). Knowledge Retention in Capstone Experiences: An Analysis of Online and Face-to-Face Courses. *Knowledge Management and E-Learning*, University of Hong Kong, Vol. 8, No. 4, 528-539.
- Hamid, S., Woycott, J., Kurnia, S., & Chang, S. (2015). Understanding Students' Perceptions of the Benefits of Online Social Networking Use for Teaching and Learning. *Internet and Higher Education*, Elsevier Ltd., Vol. 26, 1-5.
- Hamilton, L. A., Franks, A., Heidel, R. E., McDonough, S. L., & Suda, K. J. (2016). Assessing the Value of Online Learning and Social Media in Pharmacy Education. *American Journal of Pharmaceutical Education*, American Association of Colleges of Pharmacy, Vol. 80, No. 6, 1-6.
- Hariyati. (2010). Mengenal Systematic Review Theory dan Studi Kasus. *Jurnal Keperawatan Indonesia*, Vol. 13, No. 2, 124-132.
- Hussein, E., Daoud, S., Alrabaiah, H., & Badawi, R. (2020). Exploring Undergraduate Students' Attitudes towards Emergency Online Learning during COVID-19: A Case from the UAE. *Children and Youth Services Review*, Elsevier Ltd., Vol 119, 1-7.

- Kapasiasa, N., Paul, P., Roy, A., Saha, J., Zaveri, A., Mallick, R., . . . Chouhan, P. (2020). Impact of Lockdown on Learning Status of Undergraduate and Postgraduate Students during Covid-19 Pandemic in West Bengal, India. *Children and Youth Services Review, Elsevier Ltd., Vol. 116*, 1-24.
- Kobayashi, M. (2017). Students' Media Preferences in Online Learning. *Turkish Online Journal of Distance Education, Anadolu Universitesi, Vol. 18, No. 3*, 4-15.
- Lusiana, & Suryani, M. (2014). Metode SLR untuk Mengidentifikasi Isu-Isu dalam Software. *Sains dan Teknologi Informasi, Vol. 3, No. 1*.
- Mahnegar, F. (2012). Learning Management System. *International Journal of Business and Social Science, Vol. 3 No. 12*, 144-150.
- Mahnun, N. (2018). Implementasi Pembelajaran Online dan Optimalisasi Pengelolaan Pembelajaran Berbasis Online di Perguruan Tinggi Islam dalam Mewujudkan World Class University. *Kajian Teori dan Hasil Penelitian Pendidikan, Vol. 1, No. 1*, 29-36.
- Mishra, L., Gupta, T., & Shree, A. (2020). Online Teaching-Learning in Higher Education during Lockdown Period of Covid-19 Pandemic. *International Journal of Educational Research Open, Elsevier Ltd., Vol. 1*, 1-8.
- Moghavvemi, S., Sulaiman, A., Jaafar, N. I., & Kasem, N. (2018). Social Media as a Complementary Learning Tool for Teaching and Learning: The Case of Youtube. *The International Journal of Management Education, Elsevier Ltd., Vol. 16*, 37-42.
- Muhdi, Nurkolis, & Yuliejantiningasih, Y. (2020). The Implementation of Online Learning in Early Childhood Education During the Covid-19 Pandemic. *Jurnal Pendidikan Usia Dini, Vol. 14 No. 2*, 247-261.
- Paul, J., & Jefferson, F. (2019). A Comparative Analysis of Student Performance in an Online vs. Face-to-Face Environmental Science Course From 2009 to 2016. *Frontiers in Computer Science, Vol. 1 No. 7*.
- Pei, L., & Wu, H. (2019). Does Online Learning Work Better Than Offline Learning in Undergraduate Medical Education? A Systematic Review and Meta-Analysis. *Medical Education Online, Taylor and Francis Ltd., Vol. 24*, 1-13.

- Perry, & Hammound. (2002). Systematic reviews: The experiences of a PhD student. *Psychology Learning and Teaching, Vol. 2, No. 1*, 32-35.
- Quesada-Pallarès, C., Sánchez-Martí2, A., Ciraso-Calí, A., & Pineda-Herrero, P. (2019). Online vs Classroom Learning: Examining Motivational and Self-Regulated Learning Strategies Among Vocational Education and Training Students. *Frontiers in Psychology, Frontiers Media S. A., Vol. 10*.
- Rahman, A. (2021). Using Students' Experience to Derive Effectiveness of COVID-19 Lockdown Induced Emergency Online Learning at Undergraduate Level: Evidence from Assam, India. *Higher Education for the Future, Sage Publications Inc., Vol. 8, No. 1*, 71-89.
- Salmon, G., Ross, B., Pechenkina, E., & Chase, A.-M. (2015). The Space for Social Media in Structured Online Learning. *Research in Learning Technology, Association for Learning Techonogy, Vol. 23*, 1-14.
- Schlenz, M. A., Schmidt, A., Wöstmaan, B., Krämer, N., & Schulz-Weidner, N. (2020). Students' and Lecturers' Perspective on the Implementation of Online Learning in dental Education due to SARS-CoV-2 (COVID-19): a Cross-Sectional Study. *BMC Medical Education, Springer International Publishing, Vol. 20, No. 354*, 1-7.
- Schulte, A. (2004). The Development of an Asynchronous Computer-mediated Course: Observations on How to Promote Interactivity. *College Teaching, Vol. 52 No. 1*, 6-10.
- Selvanathan, M., Hussin, N. A., & Azazi, N. A. (2020). Students Learning Experiences during COVID19: Work from Home Period in Malaysia Higher Learning Institutions. *Teaching Public Administration, Sage Publications Inc., Vol. 20, No. 10*, 1-10.
- Shroff, R. H., & Vogel, D. R. (2009). Assessing the factors deemed to support individual student intrinsic motivation in technology supported online and face-to-face discussions. *Journal of Information Technology Education Vol. 8*, 59-85.
- Sobaih, A. E., Hasanein, A. M., & Elnasr, A. E. (2020). Responses to Covid-19 in Higher Education: Social Media Usage for Sustaining Formal Academic

- Communication in Developing Countries. *Sustainability, Multidisciplinary Digital Publishing Institute, Vol. 12, No. 6520*, 1-18.
- Soeryanto, Arsana, I. M., Warju, & Ariyanto, S. R. (2020). Implementation of Online Learning during the Covid-19 Pandemic in Higher Education. *Advances in Social Science, Education and Humanities Research, Atlantis Press, 2020, Vol. 473*, 632-636.
- Suresh, M., Priya, V. V., & Gayathri, R. (2018). Effect of E-Learning on Academic Performance of Undergraduate Students. *Drug Invention Today, Asociation of Pharmaceutical Innovators, Vol. 10, No. 9*, 1797-1800.
- Thoms, B., & Eryilmaz, E. (2014). How Media Choice Affects Learner Interactions in Distance Learning Classes. *Computers & Education, Elsevier Ltd., Vol. 75*, 112-126.
- Victoria, L., Mislinawati, M., & Nurmasyitah, N. (2018). Students' Perceptions on the Implementation of E-Learning: Helpful or Unhelpful? *Journal of Physics: Conference Series, IOP Publishing*, 1-6.
- Warschauer, M. (1997). Computer-mediated collaborative learning: theory and practice. *Modern Language Journal Vol. 8 No. 4*, 470–481.
- Ying, Y. (2007). Analisis Perbandingan Penerapan Pembelajaran Tata Bahasa China antara Pembelajaran Tatap Muka dengan Kombinasi Pembelajaran Jarak Jauh dan Tatap Muka. *Jurnal Lingua Cultura Vol. 1, No. 1*, 64-77.

Sumber Lainnya

- Dania, R. (2019, November 5). *Daftar 7 Perguruan Tinggi Indonesia yang Punya Sistem E-Learning*. Retrieved from Tirto.id: <https://tirto.id/daftar-7-perguruan-tinggi-indonesia-yang-punya-sistem-e-learning-ejBa>
- detik.com. (2020, Oktober 13). *Daftar Negara Maju di Dunia, di Mana Posisi Indonesia?* Retrieved from detik.com: <https://travel.detik.com/detiktravel/d-5211808/daftar-negara-maju-di-dunia-di-mana-posisi-indonesia>
- Hakim, L. (2020, Agustus 4). *Pakar: Ketersediaan Internet Jadi Kendala Pembelajaran Jarak Jauh*. Retrieved from Antaranews.com:

<https://www.antaranews.com/berita/1649518/pakar-ketersediaan-internet-jadi-kendala-pembelajaran-jarak-jauh>

Hernanto, F. (2020, Juli 14). *Kembali Belajar Online, Ini 3 Hal yang Harus Diperhatikan agar Efektif*. Retrieved from Indozone: <https://www.indozone.id/news/vWsBv7o/kembali-belajar-online-ini-3-hal-yang-harus-diperhatikan-agar-efektif/read-all>

Hotcourses. (2020). *393 institusi luar negeri menawarkan program online/jarak jauh*. Retrieved from Hotcourses INDONESIA: <https://www.hotcourses.co.id/study/training-degrees/us-usa/distance-online/primary-schools-general-courses/loc/211/smode/3/cgory/ga.15-4/sin/ct/programs.html#search&catCode=O1-3&smode=3&nationCode=88&nationCntryCode=88&gradeScore=&studyAbroad=N&studyOnlin>

Kembalikan. (2019, Januari 7). *Kamu Harus Tahu 7 Universitas yang Menghadirkan Layanan Kuliah Online*. Retrieved from Kembalikan: <https://www.kembalikan.org/2019/01/kamu-harus-tahu-7-universitas-yang-menghadirkan-layanan-kuliah-online.html>

Lando, Y. (2020, Juli 16). *Tahun Ajaran Baru, New Normal, dan Pendidikan Berbasis STEAM*. Retrieved from Detik.com: <https://news.detik.com/kolom/d-5095654/tahun-ajaran-baru-new-normal-dan-pendidikan-berbasis-steam>

Mamikos.com. (2020, Mei 22). *13 Link Kuliah Online Berbagai Kampus di Indonesia*. Retrieved from Mamikos.com: <https://mamikos.com/info/link-kuliah-online-berbagai-kampus-di-indonesia/>

Peraturan Presiden Republik Indonesia Nomor 38. (2015). *Tentang Kerjasama Pemerintah Dengan Badan Usaha Dalam Penyediaan Infrastruktur*, Pasal 1 ayat (4).

Putri, Z. (2020, April 30). *Telusuri Masalah Pembelajaran Online dari Guru, Siswa, dan Wali Murid*. Retrieved from Kompasiana.com: <https://www.kompasiana.com/zuliaaputrii/5ea9b12e097f367d3b7ab0e2/telusuri-masalah-pembelajaran-online-dari-guru-siswa-dan-wali-murid?page=all#>

- Wantiknas. (2020). *Empat Kelebihan dan Kekurangan dalam Penerapan E-Learning*. Retrieved from Wantiknas: <http://www.wantiknas.go.id/id/berita/empat-kelebihan-dan-kekurangan-dalam-menerapkan-e-learning>
- Zaking, S. (2020, Juli 18). *PJJ Permanen Bisa Sukses dengan 3 Faktor, Salah Satunya Infrastruktur*. Retrieved from Jawapos.com: <https://www.jawapos.com/nasional/pendidikan/18/07/2020/pjj-permanen-bisa-sukses-dengan-3-faktor-salah-satunya-infrastruktur/>
- Zhacky, M. (2020, September 11). *Curhat Guru di Padang ke Jokowi: Ada Siswa Tak Punya HP-Kuota Belajar Online*. Retrieved from Detik.com: <https://news.detik.com/berita/d-5169833/curhat-guru-di-padang-ke-jokowi-ada-siswa-tak-punya-hp-kuota-belajar-online>