BLENDED LEARNING METHOD IN THE VIEW OF LEARNING AND TEACHING STRATEGY IN GEOGRAPHY STUDY PROGRAMS IN HIGHER EDUCATION

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Abstract

In this era of digital technology, learning is very foreign if it still uses single method methods, namely face-to-face. We firmly believe that combining traditional methods with technology must be applied to achieve outcomes, especially in postgraduate studies. For that reason, we have carried out many publications in journals, books and procedures, and other information. Then the effort has involved several steps such as understanding the data through coding evaluation and drawing conclusions that essentially want to get the answer data on this royal question as valid and accurate as possible. Based on the available evidence and the depth of the discussion of the findings, we can finally say that the learning strategy in universities, especially in the undergraduate market, is a strategy that combines the old and new ways, namely face-to-face in the classroom and is guided by collaborative learning or learning-based learning. Thus, it is hoped that the findings of this study will make the development and progress of learning and learning studies related to blended learning increase in the future.

Keywords: Blended Learning, Conventional Learning, Education Geography, Review.

Abstrak


Kata Kunci: blended learning, pembelajaran konvensional, pendidikan geografi, Review.
INTRODUCTION

The discussion about technology-based learning, especially the learning model, combining traditional in-classroom using an internet connection, means that the discussion is closely related to learning related to the blended learning system. Lately, pandemic poetry has hit education and global government policy responses to distance learning due to policies against the coronavirus; finally, the concept of blended learning is increasingly popular among education experts, curriculum developers, especially students. Although blended learning has become one of the learning models in the digital era, coupled with the issue of responding to the pandemic that has hit not only education in Indonesia but education around the world, discussions, and understandings about blended learning-based learning are still interesting to study materials. Because the study of learning methods is a course that has a significant impact on the development of the modern century, it is exciting to discuss, related to how and why blended learning is applied in the learning environment in higher education, especially in postgraduate programs in their respective fields of study.

It is better before this research is continued, we want to provide a re-understanding of what is meant by blended learning-based learning, sometimes this understanding is universal, so we try to have a deeper understanding of blended learning-based learning in the application of learning geography subjects. In this case, learning geography is at the level of higher education, such as postgraduate, so that readers will get a more specific and strategic discussion about the advantages and application strategies of blended learning in the Geography study program at universities. So what we mean by blended learning here is an educational event, especially geography, when learning takes place; therefore, blended learning is a teaching method that combines old methods before digital technology with all technological applications in studying geographic content. With this method, we will describe all learning opportunities and challenges and provide solutions during lectures on geography material at every level of education, especially at the higher education level. Compared with traditional method-based geography learning, what are the advantages, conveniences,
advantages, and also other unique challenges that blended learning-based learning has? Furthermore, how to control students, adjust to the time, place, learning approach, and matters related to blended-based learning problems.7

Furthermore, blended learning or e-learning is a technology-based learning method or, for example, when learning combines old methods with a mixture of online or online-based technologies.8 According to experts, the application of blended learning-based Geography learning is a strategy that encourages and motivates students to make learning more personalizing students because now, in this digital era and when education is hit by a pandemic crisis and other crises.9 Learning cannot be carried out entirely like face-to-face in the classroom, but ideally, the percentage of learning and content is mixed face-to-face, and another 50% or the percentage can be adjusted so that learning can achieve its goals by how the teacher negotiates with students. This blended learning will provide a way new in solve learning crises both in regular times and in other crises.10

As the author experienced when studying and also working with research content, this blended learning system is indeed quite strategic because a typical Geography class cannot take a full-time course by relying on conventional learning systems without the presence of internet connection-based technology.11 In other words, when the author works in the lab assisted by technology, it may only last an hour; the rest will occur with technology applications, especially regarding data that requires speed and accuracy with various concepts and theories needed in a speedy time with various source models and discussion content.12 This is not possible if studying or working only relies on manual systems such as opening a book or looking at other databases in front of eyes. However, with a blended learning-based work strategy, it is possible to get as much content as possible quickly. -much because the ability to recognize online exceeds the speed that humans can do.13

It must be admitted that most of the learning that took place during the pandemic was done via online services considering and responding to the government’s policy not to meet and gather in one room in groups so that we witnessed the existence of technology with the advantages of the Blended learning system. This is truly an advantage, an advantage, and a benefit that educators must adopt in helping students respond to the demands of learning and respond to the challenges conditioned by Covid-19 and other crises.14 If the problem is that

7 Okaz, “Integrating blended learning in higher education.”
students during the pandemic are not allowed to do social distancing or have discussions from afar, but the challenge is for writers or are they sure where they should be able to get data as quickly as possible, then they may not be able to ask questions with structure or finish prayers, but as soon as possible they will get help online. This is the virtue and advantage of blended learning and work-based strategies, so this method is a very profitable alternative.15

In terms of the clear benefits of blended learning, there is no doubt that this method is the best way of learning in the era of technology and learning disrupted by the pandemic and the crisis of human resources being unable to work.16 In other words, a way of learning in the classroom has minimal learning outcomes. However, with the help of technology, this is not a big problem anymore. Another benefit of course for students is that this method offers a very convenient, efficient, and flexible system or solution where students can control their learning with the help of teachers and parents. Then also for researchers in postgraduate learning environments working in universities.17 This is a comprehensive new strategy for utilizing fast learning content that allows students to communicate with their friends, teachers, and peers.

Even though they are far apart, like using social networks, another benefit obtained by schools and universities themselves is that academic management is getting cheaper and more practical. However, the results are no longer in doubt, as the educational service system at universities is based on research and cutting-edge technology.18 Perhaps hiring from professionals is very expensive, but with the presence of this mixed learning technology, it can be reduced face-to-face can be maximized and accommodation is clear based learning, and this can certainly be done and done outside of the building or campus where accommodation is costly than with the application of and these things that are productivity efficiency.19

After understanding the effectiveness and advantages of blended learning, all university stakeholders, such as polluters, instructors, and students, will compare which one is more profitable than the classroom-only method, which has little impact on learning outcomes.20 So that the application of this method cannot be separated anymore because this is a very appropriate solution were many parties want to get a service and learning system that is more technical according to today’s times. The era where technology is no longer only owned by professionals in government or business executives.21 In other words, the impact of COVID-19 DISRUPTION,” Nidhomul Haq,: Jurnal Manajemen Pendidikan Islam 5, no. 3 (21 November 2020): 321–33, https://doi.org/10.31538/ndh.v5i3.984.


16 Graham, Woodfield, dan Harrison, “A framework for institutional adoption and implementation of blended learning in higher education.”


technology is revolutionizing the way humans complete tasks that elites and legitimate professionals are preoccupied with the capabilities of blended learning technology. However, this mixed technology-based learning is undoubtedly a solution that is ready to revolutionize and innovate. The old way of teaching and learning has little results because the slow method will be an unwanted solution, no longer suitable for practical and dynamic learning in an era where technology is not unique in specific sectors.22

Of course, this is a detailed lesson. It is undeniable that given the superiority and extraordinary work power, in this study, we will try to discuss in greater depth the relevance of the application of blended learning methods, especially in universities, in terms of teaching Geography courses in the context of optimizing learning in higher education.23 This study will add insight, development, and experience from various sources, both published and orally. All of the content we found was supported by evidence from field studies.24 This has become the belief of the author himself. So the enrichment and development of effective learning in the solution of crises due to the pandemic and the adoption of high-tech learning is following the spirit of learning in the new era where learning technology has become a very invincible solution today. Thus, new inputs for finding solutions to the low achievement of learning outcomes among universities, especially Geography, can be improved.25

METHOD

This method section will describe the steps in conducting a publication review study that aims to gain a deeper understanding of blended learning-based learning strategies at the higher education or postgraduate level, especially in major Geography education.26 As for what we do, first, we try to understand our research topic doing what task we have to do as a first command, then we choose a relevant and exciting topic followed by some questions.27 Next, we try to develop the right strategy for completing projects related to qualitative studies with a phenomenological approach, an effort to gain understanding through data and information exploration as widely as possible before we try to process data with coding systems and test data analysis and interpretation efforts. So that we can present the findings as answers to research questions.28


28 Khan dkk., “Study of blended learning process in education context.”
Our search effort is based on a crop of previous publications discussing the yellow flag and its efficient use in graduate studies.\textsuperscript{29} Evidence from previous studies and our in-depth discussion of this research has resulted in findings that include, among others, that the buyer’s application of technology-based learning and conventional methods or called blended learning, is a viral learning strategy or method,\textsuperscript{30} at the first postgraduate level in research-based higher education compared to conventional learning. This finding is expected to be a reinforcing material. In determining the reporting format for this study, we have followed several similar studies, namely a qualitative descriptive design, which we consider capable of presenting our findings effectively and efficiently to understand. The database and study evidence that we obtained electronically came from several well-known publication journals and books, and websites, all of which actively discussed the effectiveness of blended learning, especially in postgraduate studies.\textsuperscript{31}

\textbf{RESULTS AND DISCUSSION}

\textit{Blended learning in Geography in higher education}

Learning activities at postgraduate universities, especially in developed countries, have recently found more innovative ways due to higher academic demands due to the increasing number of enthusiasts with various majors. The traditional face-to-face lecture method is no longer relevant to continue.\textsuperscript{32} Then the solution is a combination of learning or teaching integrated between conventional face-to-face methods in the classroom and solutions using technology because blended learning is more personal information services, so fast and personal in learning.\textsuperscript{33} Various demands and offers from various universities in developing countries that are not much inspired by how education services in developed countries such as Australia, America, Singapore, and several other developing countries with technology-based education services and a mixture of conventional methods will provide a new nuance. Colors to learn at a high-level school with a face-to-face component, about 30\%, and the rest are adopted in the form of blended learning.\textsuperscript{34}

Therefore, especially here, studying and studying Geography, considering the content, is very difficult to find information that must be obtained from the context and geography of other parts of the world, meaning that the language content is very complex and impossible to reach without adequate technology.\textsuperscript{35} While the conventional learning component that geography students do not desire is because of how they can technically understand how information works, process and communicate, publish and share it, which requires technology

\textsuperscript{29} Sandy Q. Qu dan John Dumay, “The qualitative research interview,” \textit{Qualitative research in accounting \& management}, 2011.


\textsuperscript{32} Nalita James, “The learning trajectories of ‘old-timers’: Academic identities and communities of practice in higher education,” dalam \textit{Communities of Practice} (Routledge, 2013), 141–53.


\textsuperscript{35} López-Pérez, Pérez-López, dan Rodríguez-Ariza, “Blended learning in higher education.”
that is following the current model of learning and scientific activity, namely the transfer and communication of knowledge and skills. Online from computer to computer, especially at the postgraduate level.  

While the work process in higher education is the handling of academic work scientific projects that require students to access information, process data, print data into a new knowledge framework, the effort to publish it is a job that requires little lecturer intervention in strengthening conceptual understanding and theory. However, students need greater independence were learning at postgraduate with the help of technology in their hands can rely on anything anytime, anywhere to carry out their duties and obligations with the help of technology. In a situation like this, a learning approach may be mixed with a combination of lecturer intervention. The application of technology must be socialized if necessary from the undergraduate level to ensure that students are in postgraduate so that they are more familiar with technology-based learning to complete scientific and research-based projects that require time, work comfort, high motivation, and more personalized learning, which is facilitated by technology and supervised by lecturers and postgraduate coordinators.

Efforts to support technology-assisted cooperative learning activities are essential teachings that must receive a response from now on when students are still sitting and sitting so that they are accustomed to interacting with all learning tools; audio, video, digital text, graphics, and other learning resources whose components can be done virtually. Independent in a certain way that is more personal. So it is not surprising that this blended approach has become very popular in this digital era, not only from modern countries but also from developing countries. Along with the turnover and knowledge of technology from day to day, from country to country, it is just as easy as automation and robotics. Messages from individual to individual are swift compared to the spread of knowledge with old techniques and others, of course, through technology by applying and merging two models and methods is something that must be done from now on so that there is a learning process with many models and broad scope of collaboration and connected globally.

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Blended learning in a large class

Another convincing reason blended learning is relevant and popular for use in universities is that considering the learning community, sometimes universities have to deal with very up-to-date learning systems to compete like the industry.43 Given a large number of participants from various academic, cultural backgrounds, abilities, especially in terms of working, rely on skills in research. Maybe not all students have the level of understanding and ability to perform data-based tasks and intermediate-level research.44 The first batch of undergraduate students, for example, there are 100 people, so if based learning is planted in a relatively long time, this makes it difficult for instructors to share knowledge, monitor progress, and also carry out an evaluation process to see the level of development and mastery. This material is not easy to do by relying on the traditional face-to-face method sitting in a large class and very heterogeneous conditions.45

So, technology-based learning solutions, in other words, learning is a very appropriate solution; however, due to the ability of managers who may not be sufficiently steady with this internet and electronic-based teaching approach, of course, teaching staff who are still limited in their abilities need to train and prepare themselves to help students.46 Master's degree with a working procedure that is more directed to Hitech education and also an understanding of technology-based learning concepts by equipping themselves with good tutorials so that they can design various teaching models, including the design of computer-based learning modules, in other words, based on conventional-based learning and it is kind of like a lecture with tutorials with textbooks and all kinds of projects that are seen as barely relevant to the conditions where everything is fully automated and full of technology, especially in terms of learning and evaluation.47

This is not very easy for the structure and also the students. When they want to get an actual evaluation conventionally, it is impossible to do because something that does not have data-based and blended methods, the Epidenbest method can be assisted by technology where each teacher and lecturer, of course, has traces that can be found when they interact with technology-based learning. In contrast, conventional-based learning for learning and evaluation, especially subjects such as geography, will undoubtedly have a problem both in modules in equalizing learning opportunities and also to get authentic evaluations that allow students’ ability levels to be identified and evaluated and get a value that is following the existing database so that the face-to-face-based learning component and also by testing.48

In other words, blended learning is something that must continue to be defeated, especially at university diversity must deal with the principle of equity in terms of very heterogeneous learning conditions with different abilities and learning conditions; six universities must be able to ensure learning that participates and follows and at the same time promotes the latest innovations using technology blending with old methods to optimize learning outcomes and also there the continuity of the postgraduate program, especially in the field of geography.49

Researchers view technology-based learning as an effort to overcome the shortcomings and skills possessed by individuals or staff, emphasizing that technological learning is one of the best and will produce different outputs because technology is believed to be innovative, creative, and innovative.50 It is revolutionary so that when learning occurs in the digital era, the digital footprint will determine the fate and learning outcomes, and it is undeniable that traditional learning is also very effective but in the level and context of learning, such as welcoming than in briefing sessions and also Chelsea for information instructions and others. However, when it comes to mastering data processing, entering the completion of tasks, very technical tasks, and also with fiber with data, technology-based solutions or learning will be excellent in college, especially postgraduate.51

**Blended learning and transformation learning**

Under these circumstances, learning at the market level require a change or transformation from the traditional way of learning to this modern way of learning following the characteristics of learning in the undergraduate market where project-based learning is different from learning in schools and undergraduate programs where learning is dependent on textbooks.52 Moreover, other modules and intervention and control from the lecturers are still very dominant. This condition does not occur at the postgraduate level in the field of geography because the learning model at a high level, especially the geography study program, is a program that focuses on searching and understanding literature relevant to the postgraduate program where students and lecturers must be able to present or search for content and themes related to the geography where it is impossible to expect professorships.53

Because it is not what higher education wants, students must be involved in massive learning activities because they are not involved in passive learning in obtaining information.54 However, the learning model in the undergraduate market must be content-integrated and the old method to the new method so that there is a development of expertise from general to particular expertise with a system of mechanisms in social learning networks that are learning

50 Chou dan Chou, “Course management systems and blended learning.”
53 Larry B. Christensen dkk., “Research methods, design, and analysis,” 2011.
communities with an understanding approach to aspects of concepts and applications ikat. Because learning in postgraduate learning solves problems in this blended way offers a complex dimension in which education in this market is planned with teaching that combines concepts and applications and connects with the outside world as an indicator of where learning in this way has been able to bring about a change that is believed through technology will make this possible.\textsuperscript{55}

Therefore, here again, later than investing to design technology wherever possible, to awaken important students and Gaiden profiles with the help of professionals in teaching and learning in investment environments, especially postgraduates. So success with blended learning supports different opportunities and opportunities that exist in this gallery allows an authentic evaluation where he will be able to distinguish which individual students are active and passive and facilitate evaluation between those who are not successful in completing tasks and obligations with traces of process content and output, all of which will be carried out if high, especially after being able to design balanced teaching strategies and methods between face-to-face in class and Line to Line learning on a computer or a computer.\textsuperscript{56}

This is not impossible considering the advantages and scope of the innovative and innovative technology that allows learning which so far has produced little manually but can be accelerated by using various learning sources, various sources of literature information, and various techniques for presenting data, evaluating data and compiling data and information.\textsuperscript{57}

With applications that are increasingly being used in postgraduate learning environments with a concentration on strengthening research-based and cooperative learning may occur online may occur offline cooperatives leave only a little time while online learning and cooperative learning allows this learning can be maximized by being more into a personalized learning model than students and also being innovative, it allows searching for data collection and reporting to be done quickly but still requires coordinating supervisors and also other assistance so that the impression of online and offline learning assisted by teachers in the classroom is possible, especially in postgraduate geography studies.\textsuperscript{58}

**CONCLUSION**

Finally, it is time for us to summarize the results from our study of understanding blended learning methods in the context of learning and geography in postgraduate studies. As for the essential components that we can convey, among others, the understanding of changing learning in the context of learning geography in the undergraduate market is the latest solution were, and this is a combination of traditional learning without online with dense learning or this learning media compared to the old method, this method following the demands and expectations of the output of higher education where the learning is independent learning with little supervision and supervision by lecturers.


\textsuperscript{56} Dhawan.


Other points, such as blended learning, are suitable for dealing with the problem of a significant learning population where learning becomes effective because of the division between the theoretical way of learning in the classroom and the strategy of understanding how to use e-learning as a tangible manifestation. From high expectations of change, especially where the learning community must be independent, able to identify problems and challenges, ease of being able to find application solutions, and be able to make this electronic learning tool a solution that follows the demands of the situation where technology is not a new problem only used by a limited circle.

However, in this era, this digital innovation and technological revolution are applied by professionals outside of academia and become strategies for those ready to renovate and innovate learning in a modern way. Finally, land blended learning is a solution to the new century's transformation with the flexibility and effectiveness of learning technology. It can offer modern solutions in solving problems and issues of global competition where in the world with clothes they have been renovating and transforming their learning. From high school to college.

So, back to domestic contacts that blended learning is unmistakable because it is a typical learning combination of two traditional and modern methods so that it is possible for there to be theory and understanding in the context of learning in the classroom as well as transformation and innovation when academics work in a different learning area. Cutting-edge technology or, in other words, learning must be innovative, efficient, and productive. All of the above elements are the type of 21st-century learning which emphasizes aspects of efficiency, effectiveness, and productivity. Thus, we acknowledge that this study has many limitations. Therefore, this study hopes for various constructive inputs so that there will be improvements and developments in subsequent studies.

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