

Education Management: Implications of Information Technology Development on The Moral Formation of Adolescents

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Abstract:

This study aims to determine the implications of Islamic education management in developing information technology for forming adolescent morals. This research is a descriptive type of field research using qualitative methods. The results of this study indicate the various impacts of technological sophistication on the moral behavior of students today so that attention and supervision from various parties are needed so that the following development process does not cause bad things. Supervision from parents, and the surrounding community, holding positive activities involving teenagers, as well as attention and supervision from parents towards students must be more significant and closer to them so that they are more open and easy to direct So that one of the efforts that the education management must take is to combine information technology with human resources. In addition to socializing on how to use technology media, they must provide socialization about the limitations that must be applied by each student so that they are not excessive in using technology media and do not take advantage of information that can damage morale.

Keywords : *Educational Management, Information Technology, Moral*

Abstrak :

Penelitian ini bertujuan untuk mengetahui bagaimana implikasi manajemen pendidikan Islam dalam perkembangan teknologi informasi terhadap Pembentukan Moral Remaja. Penelitian ini merupakan penelitian deskriptif dengan jenis penelitian lapangan dengan menggunakan metode kualitatif. Hasil Penelitian ini menunjukkan bahwa berbagai dampak kecanggihan teknologi terhadap perilaku moralitas pelajar saat ini, diperlukan perhatian dan pengawasan dari berbagai pihak, agar dalam proses perkembangan berikutnya tidak menimbulkan hal-hal yang merugikan. Pengontrolan dari orang tua, dan masyarakat sekitar, mengadakan kegiatan-kegiatan positif yang melibatkan remaja, serta perhatian dan pengawasan dari orang tua terhadap pelajar harus lebih besar dan lebih dekat terhadap mereka, agar mereka lebih terbuka dan mudah diarahkan, salah satu upaya yang harus ditempuh oleh pihak manajemen pendidikan yaitu memadukan antara teknologi informasi dengan sumber daya manusia. Selain sosialisasi cara penggunaan media teknologi, harus memberikan sosialisasi tentang batasan-batasan yang harus diterapkan oleh setiap siswa agar tidak berlebihan dalam menggunakan media teknologi dan tidak memanfaatkan informasi yang dapat merusak moral

Kata Kunci: *Manajemen Pendidikan, Teknologi Informasi, Moral*

INTRODUCTION

The development of science and technology has dramatically influenced human civilization and the environment. As time goes by, humans are required to be able to have many cognitive, affective, and psychomotor abilities to be able to adjust them. The process of education and teaching always helps humans in developing their potential for more and learning continuously in the broadest possible sense in order to be able to develop education and teaching. With the help of technology, the teaching and learning process is to the classroom. With the rapid development of technology, the emerging development of technology and its application to teaching comes into full play in education (Hashim, 2018). Mobile technology has become an essential tool in the teaching and learning process. Studies have shown that technologies, especially the use of mobile devices, do bring positive impacts in improving teaching and learning. Mobile technology involves connectivity for downloading, uploading, and online working via wireless and mobile networks. The leading platforms for such connectivity usually include mobile phones, smartphones, PDAs, MP3/MP4 players (e.g., iPod), tablets, wireless laptop PCs, mini-notebooks or netbooks, and handheld gaming devices (Kukulaska-Hulme et al., 2009; Hashim, 2018).

Prevalent 21 st-century priorities such as innovation and technology must be vigorously practiced (Mullen, 2019; Raman et al., 2019). Technological developments are indispensable for innovating something created to provide positive benefits for human life. Technological advances provide many conveniences for users of technological sophistication in general and new ways of carrying out human activities. However, every new thing positively and negatively impacts this sophistication. The impact of this technological sophistication can be felt by all people, not only adults, rich people, entrepreneurs, or technology experts, teenagers, children, people who initially do not understand technology, and even children. Minors can also feel the impact of this sophistication (Kusumawati, 2016). In addition, the diversity of demands accelerates the fulfillment of qualified human resources to adapt to these changes. Each aspect of life affects the other. The economic aspect affects politics; politics affects education, education affects culture, and so on. The change continues so that there is the postulate that "nothing lasts forever except change itself ."We are often familiar with the 21st century, predicted as the century of technology and information, so whoever controls it will lead the world. May this prediction come true now. It is proven by the rapid development of technology that facilitates all human affairs (Nurdiansyah & Hudriyah, 2021).

The growing issue of education management has encouraged the use of technology in the broader context; first: The trend of international students/students continues to increase evenly throughout the world. Currently, various countries have students/students across knowledge in various primary, secondary, and higher education institutions with the status of overseas students (international students); Second: Double degree education program. Educational institutions, especially universities, have built many

international classes in the undergraduate program. The international class has used international language as the language of instruction, and for several semesters students take several courses at partner universities abroad; third: Pioneer Schools with International Standards (RSBI) and International Standard Schools (SBI). With the predicate of an international standard school, the curriculum material at the school must refer to and be by the material in the world of international education. Apart from the pro-contra program, which the Constitutional Court eventually canceled, the effort to build an international standard school is an effort by the government to prepare the nation's children to face the effects of globalization, especially in the field of education (Wayong, 2017; Hariandi et al., 2019).

Data on cellphone and internet users proves that the fever of internet and cellphone activities in Indonesia has hit all walks of life. Including teenagers who are students, the Internet is certainly not a foreign thing. In addition to the negative impact, the Internet and mobile phones also have a positive impact on students; based on the results of a survey conducted by the Association of Indonesian Internet Service Providers (APJII) that the number of internet users in Indonesia increased to 196.7 million as of the second quarter of 2020. In 2018, Indonesia's internet users were only 171.2 million (Kompas.com 2020).

The Ministry of Communication and Information (Kemkominfo) found that 98 percent of children and youth know about the Internet, and 79.5 percent are internet users. Including understanding how they interpret and use digital technology, online communication, and risky or unsafe behavior, the results of the latest research note that internet users in Indonesia who come from among children and adolescents are predicted to reach 82 million (Kominfo, 2015). The study also noted a robust digital divide between children and adolescents living in urban and rural areas. The data results from a study entitled "Safety in the Use of Digital Media in Children and Adolescents in Indonesia" conducted by the UN agency for children, UNICEF, with partners, including the Ministry of Communication and Information Technology and Harvard University, USA. This study traces the online activity of a sample of children and adolescents involving 400 respondents aged 10 to 19 years throughout Indonesia and representing both urban and rural areas (Kominfo, 2015).

Based on the phenomenon that occurs in the use of mobile phone communication technology among students of the MAN 2 Makassar Model, it is still very high even though the regulations issued by the principal, in this case, prohibit bringing their cellphones in class because some students who have cellphones use them to access social media. The social media they use are Facebook and Whatsapp. Where these two applications are rampant among students, thus disrupting the teaching and learning process in schools, students' concentration can be divided due to curiosity about social media, wanting to know the latest gossip on various social media and harmful sites.

A similar study by Juditha (2019) examined the relationship between the use of the social networking site Facebook and the behavior of adolescents in Makassar City. The increasing number of users of social networking sites through mobile phones, most of whom are teenagers, is a growing phenomenon

at this time. As a result, the positive and negative impacts caused by social media also have an impact on users.

The results of Ezziane's research state that Information Technology literacy is the key to today's empowerment and that education is the best foundation for it". The results of this study emphasize the importance of information technology in the world of education. Students can quickly obtain learning materials through electronic libraries (e-libraries) or electronic books (e-books) to obtain library collections in the form of books, modules, journals, magazines, or newspapers. With the development of information technology in education, it is now possible to conduct distance learning using the Internet (Rosyad, 2016; Mumin, 2019). However, adolescence is a vulnerable age for using the Internet because adolescence is music from children to adults (Firdaus & Dewi, 2021).

However, being aware of technology for teenagers, especially using cellphones and the Internet, is highly expected because much-unfiltered information, such as pornographic sites on the Internet, is more easily accessible. This can hurt adolescent morale. Research conducted by M. Judi in the International Journal from the Center of Information Technology, Faculty of Information Sciences and Technology, Universiti Kebangsaan Malaysia. The results of his research prove that the Internet is an open system that makes it easy for anyone, including children and adolescents, to access pornographic sites and spread shows that can spread hate, slander statements, and exposure to online harassment, cyberbullying, and entertainment content that has an impact. Negative for adolescents' ethical and moral values (Judi, 2013). Previous research conducted by Yang & Kim (2018) Effects of A prevention program for internet addiction among middle school students in South Korea shows a relationship between self-control, self-efficacy, and internet addiction and time spent on the Internet.

Martinus Jan Langeveld expressed that education is an effort that can help children realize a goal that increases knowledge and morals so that children can achieve their goals and ideals (Umar et al., 2021). Apart from being a form of effort to build a personality, education is also a key for children to maintain an existence where intellectual and ability enhancement can prepare an advanced future and compete with the outside world.

In Indonesia, the moral decadence of adolescents related to the impact of using the Internet and cell phones is increasingly concerning. Criminal cases involving teenagers still in the student category often occur in various regions of Indonesia. Based on various information obtained from various mass media and watched through television, the main factor causing all these actions occurred after the perpetrators saw filter-free shows such as pornographic videos, pornographic images, or other filter-free shows via the Internet or stored (Mudiono, 2018). Individu yang mengalami kecenderungan kecanduan internet pada umumnya menjadi ketagihan dalam bersosial media, game online, dan menonton video di youtube (Gustilawati et al., 2020; Firdaus & Dewi, 2021).

This makes educational management very necessary to build a concept of a moral improvement strategy for adolescents so that it is expected that the extra work of education providers in schools in shaping the mindset of teenagers about the proper behavior that teenagers should carry out is, of course by applicable norms and culture (Ardiantofani, 2014).

The research above shows the importance of education management in facing new challenges due to the dynamics of the era of globalization. In facing these challenges, solutive and anticipatory innovations are needed in this research, namely: First, understanding and coping with situations, meaning that it can develop the abilities and attitudes, and morals of adolescents to handle and deal with new situations. A sense of concern for a problem and the desire to solve problems are factors that must be developed in children. Second, the ability to anticipate means that education tries to prepare students/adolescents to anticipate the rapid development of science and technology. Third, accommodating means accommodating the rapid development of science and technology and all the changes it causes. In coping (cope) and accommodating (accommodate), it is necessary to develop attitudes and morals that students are not soluble by change, but they must be able to follow and control change to grow into something positive and beneficial for life. Fourth, reorientation means that perceptions and insights about the world need to be reoriented due to the development of science and technology and rapid social changes to gain more comprehensive insights (Hariandi et al., 2019). Based on the explanation of the background of the problem, the purpose of this study is to discuss the implications of education management in the development of information technology on the formation of adolescent morale.

RESEARCH METHODS

This research is a descriptive type of field research using qualitative methods. Qualitative research provides a factual and systematic description of situations and events regarding a phenomenon's factors, characteristics, and relationships (Darmawan, 2021). The research method used in this study is qualitative. The author examines various global issues related to education management in literature and scientific writings related to research objects such as books, encyclopedias, and related scientific journals and provides direct information about research for analysis (Zaluchu, 2019).

Data is collected directly from field research through interviews and observations (Ruslan, 2004; Darmawan, 2021). The data obtained from research informants and observations are by purposive sampling. Based on the criteria selected for research, the Head of Madrasah MAN 2 Makassar Model, Head of Student Affairs and Students.

RESULTS AND DISCUSSION

All aspects of human life today are caused by advances in science and technology. This significant change occurs because the source of strength and prosperity of a society or country is no longer determined by the area of its territory or its abundant natural resources but has shifted to the mastery and

utilization of science and technology. The use of data technology (*information*) in upgrading technology is needed to reach students wherever they are. Not only that, to serve the majority of students who have not had the opportunity to practice, then fulfill the desire to practice so that they can explore progress and increase their ability and efficiency in practice. Such is one form of upgrading technology applications assisted by data technology exploitation activities. From the development of technology, it can be seen from the point of view of education that the variety of methods as an educational reconstruction is increasingly showing a level of sensitivity. Especially with advanced and progressive thinking to continue, see, observe, and take *action* as a form of implementation of upgrading (learning) (Nurdiansyah, 2020; Nurdiansyah et al., 2021).

Handphones will also have an impact on child development. With the sophisticated features available on mobile phones, such as cameras, games will interfere with students receiving lessons at school. Mobile phones also have the potential to influence student attitudes and behavior. If there is no control from teachers and parents, Handphones can be used to spread pornographic images. Based on the results of the APJII survey, data on internet usage for watching videos is 45.3%, playing online games 17.1%, opening shopping applications, and playing social media (Instagram 17.8%, Facebook 50.7%, youtube 15.1%) (APJII, 2017; Firdaus & Dewi, 2021).

The use of mobile phone technology in students of MAN 2 Makassar Model shows that the highest score is in the excellent category. So it can be seen that the level of use of handphone technology in students is in the excellent category. Seeing the good category in the use of handphone technology means that most of the students of MAN 2 Makassar Model use handphones outside of class hours so that they do not interfere with lessons at school. While at home, there are parents who control the child so that the child does not fall asleep using the handphone for less valuable things.

In line with the research of Rahman (2018) said that the development of information and communication technology can no longer be avoided. Because with information and communication technology, a person's life will feel more manageable. One can send messages easily and search for information quickly and easily. However, behind this convenience, it must be noted what the negative impacts of information and communication technology on adolescents are; Nikmah (2017) examines the impact of handphone use on student achievement, which shows a solid relationship between the influence of cellphone use on student achievement. Students will achieve more if they can minimize the time in using cell phones that are not important and divert it by filling in positive things. Students will achieve more if they can reduce the time to play (using handphones) and fill their spare time with reading books or other positive activities.

Christine E. Sleeter & Peter L, quoted by Tilaar (2012), says that there are three dominant forces, namely; 1) Science; 2) Technology as the application of science; and 3) information. These three forces are no longer directly related to nationality. Science does not need to cross national borders and therefore no

longer requires passports and visas. Likewise, information flows without limits, and nothing can stop or hinder it. This is the age of information and science that provides new scenarios full of possibilities. These possibilities continue to be explored by scientific advances.

In connection with the rise of juvenile delinquency, which is still a category of students that results in moral decadence, so that all become a shared responsibility (parents, schools, communities, and the government), Schools as educational institutions are expected not only as a place to gain knowledge. However, they are also expected to provide sufficient provision in forming a solid adolescent personality in the face of the development of information technology.

Education is a conscious effort to create a learning atmosphere and learning process so that students actively develop their potential to have spiritual, religious, self-control, personality, intelligence, noble character, and skills needed by themselves, society, nation, and state. Educational management is a combination of human resources and the application of information technology to select, store, process, and retrieve data to support the decision-making process in education. These data are empirical or data in the form of facts that exist. Moreover, it can be justified. In addition, all reporting needs from schools to the regional education office as well as for the needs of the Ministry of National Education can be done quickly, with this information technology, it can make education management more controlled and easier.

Educational Management of Information Technology

Along with the times and the advancement of world civilization and the dynamics of the life of the earth's inhabitants, which often causes turmoil in social life. Moreover, social problems always arise at any time due to the swift flow of globalization. The advancement and development of world civilization also affect its supporting tools, including communication technology which is used as a tool to process and transfer the required information data devices; communication technology is also the cause of the entry of new norms and values from outside, which in turn These new norms and values enter the youth's living environment. Management is a process that is a systematic cooperation process that is comprehensive to realize National education. The definition of management is based on (Bashori et al., 2020; Ekasari et al., 2021).

Information technology in education management is an operational system that carries out or carries out various functions to produce valuable outputs for the operation and management of the organization concerned. The application of management information systems in everyday life is widespread. In the world of education, education management information systems, as well as information technology, are very supportive of improving the quality of learning by developing management information systems to keep up with changing times.

In the world of education, many educational institutions have succeeded in developing information technology to support the learning process, both at home and abroad, so that they can adopt learning patterns that are easier,

faster, have added value, and are innovative in finding new formalizations to provide additional knowledge and skills for their students. Schools that provide services to students are institutions that need the presence of information technology to support improving service quality.

Impact of Application of Educational Management Information Technology on Youth Moral

The positive impact of implementing information technology on educational organizations is that organizational performance is more efficient because information technology can remove the position of the communication link from two places of interest and eliminate time limits for international operations (Park et al., 2021). In addition, students can carry out internet-based learning, commonly referred to as e-learning, so that learning is more practical and the results or quality of learning are more practical and no less good than classical learning (Livingstone, 2019). For teenagers, technological sophistication also has a tremendous impact because it can add insight through the internet, which can be accessed through sophisticated smartphones and other gadgets. Teenagers can easily find information that is important to them to know. The internet has enormous benefits where the internet gives us the power of imagination, creativity, innovation, and communication technology that allows the spread of information in almost perfect quality in a speedy time. Not a few of the teenagers who use the internet do not access the right things; they have abused technological sophistication by accessing sites that contain pornographic elements in the form of images and videos, all of which are unnatural to be displayed and disseminated to the public. Internet users, especially teenagers, take advantage of watching non-normative shows and images of foreign cultures (Mushfi et al., 2021; Korkmaz & Toraman, 2021).

Opening pornographic video sites, pornographic images are not what is needed in the field of education. This dramatically affects the morale of the students, which has decreased drastically; when viewed from the perspective of its impact on morals, it tends to be more harmful than positive. The evidence alone is currently rampant sexual harassment by young students. They are not ashamed to do things like that; some are even proud after doing a scene like it was later published on the internet. From here, we can judge how bad the morale of today's youth is. From the emergence of various impacts of technological sophistication on the moral behavior of very lacking students, it requires attention and supervision from various parties so that in the process of subsequent developments, it does not cause bad things. It is better to control the parents, and the surrounding community, also by holding positive activities that involve teenagers, and the attention and supervision of parents to students must be more significant and closer to them so that they are more open and easy to direct. Establish good communication between parents and their children to be able to take advantage of the sophistication of the internet properly, and the development of technology must continue to be followed by parents to minimize the negative impact of technological sophistication.

The influence of technological developments has become a necessity that educators must understand. Education is said to be superior if it can compete in

today's global world, so it needs innovation in its development. For this reason, developing the latest media is necessary to develop current learning. The word "media" comes from the Latin "medium," which means "intermediary" or "introduction." Furthermore, the media is a means of channeling messages or learning information to be conveyed by the message source to the target or recipient. The use of teaching media can help achieve successful learning.

The effectiveness of using tools or media in the teaching and learning process is very much needed in increasing student achievement. Thus the use of media in classroom teaching is a necessity that cannot be ignored. This is understandable considering that the learning process experienced by students is focused on various activities to add knowledge and insight to the provision of life in the present and the future. One of the efforts that must be taken is how to create a learning situation that allows the process of learning experiences to occur in adolescents by mobilizing all learning resources and learning methods that are effective and efficient. In this case, the teaching media is an influential supporter in helping the learning process occur (Danim, 2019).

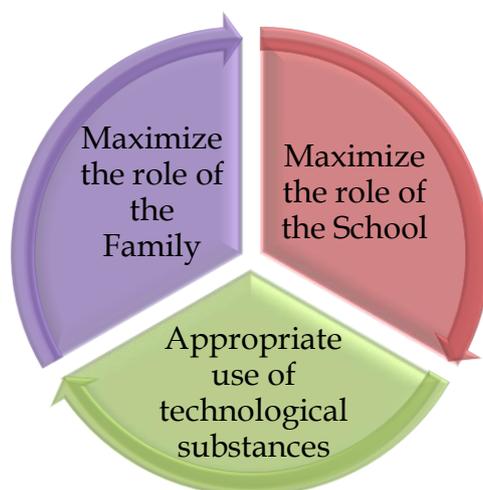


Figure 2: Solutions to Overcome the Impact of Information Technology Development

Maximize the role of the family

The family is the first social group in human life where he learns and expresses himself as a social human being in interactions with his group. In the family, humans first learn to pay attention to the wishes of others, learn to work together, help help, to inculcate ethics and morals. In other words, the experience of social interaction in the family also determines how a person behaves towards others.

Maximize the role of the school

A school is a place for children to increase their level of intelligence. However, in this case, a school should not only play a role in an increase in the level of intelligence of children but also as a place where optimization can maximize everyday attitudes and habits that have been formed when from kindergarten to high school

Appropriate use of technological substances

Technology should be created for the benefit of the people and not vice versa. So using technological substances in the right way is essential for upholding positive values, especially religious and moral values in life.

If it is oriented to the learning theory of the nature of learning, the use of mobile phones shows a behavior change. The student experience is part of the learning process; the ability to use mobile phones is also part of learning. However, changes in behavior or desired behavior in education are a student's moral ethics. So the purpose of education or learning is a change in ethical behavior (Sardiman, 2011; Hujair, 2018). Nikmah's (2013) research is on the impact of using handphones on student achievement. The results showed a solid relationship between the effect of using mobile phones on student achievement. Students will achieve more if they can minimize the time in using handphones that is not important and divert it by filling in positive things. Students will achieve more if they can reduce the time to play (using handphones) and fill their spare time with reading books or other positive activities (Hujair, 2018).

This is in line with Darmawan's research (2021) which concludes that students' use of social media is still active because most students use it as a daily lifestyle, and some use it as a learning tool. The principal has issued a rule prohibiting students from bringing cell phones to class, and the impact is that there are still some students who are caught bringing cell phones to class, so these students will be given sanctions according to the rules set by the school.

CONCLUSION

Technology makes human life easier without losing its humanity. Humans cannot be separated from education which is an informal activity; even with education, information on science and technology can be disseminated to the younger generation, but the problem with using information technology in education also hurts teenagers; problems provide many lessons for us, information technology does provide many benefits but will provide many benefits if you are not careful and control teenagers in this regard, as educators must be able to direct students or teenagers so that they can take advantage of information technology adequately and appropriately. In addition to socializing on how to use technology media, we must also provide socialization about the limits that must be implemented by each student so that they do not overuse technology media and do not take advantage of information that can damage the morale of students/teenagers. In addition, we must also be able to provide religious understanding to students, so that religious knowledge can be a defense to be able to sort and choose good information and not be easily influenced by information or media that leads to moral or moral damage to teenagers.

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