



FACING GLOBAL CHALLENGES: INFORMATION TECHNOLOGY PROFESSION ETHICS BASED ON PAI IN VOCATIONAL SCHOOLS

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Abstract:

This article discusses the urgency of integrating professional ethics in Information Technology (IT) based on Islamic education in vocational schools (SMK). The study aims to assess the influence of Islamic education on shaping professional ethics within the IT field. Using a qualitative approach, data is collected from teachers and curriculum experts and analyzed to explore the integration of ethics in IT education. The findings reveal that Islamic education contributes significantly to ethical behaviour in IT practices, promoting honesty, integrity, and accountability. The study suggests enhancing the curriculum by incorporating Islamic values better to prepare students for ethical challenges in the digital era.

Keywords: *Professional ethics, Information Technology, Islamic Education, Ethic Integration, Character Formation.*

INTRODUCTION

In development rapid technology information, its importance ethics profession No can ignored. Professional ethics covers a set values, norms and moral principles that guide behavior professional in operate task they. In context technology information, ethics profession involving evaluation action individual in Work with computer, system communication, electronics, and data processing (Kumalasari, 2022).

Ethics integration profession in education technology information, especially in schools intermediate vocational school (SMK), is very important. Research This focus on urgency merger ethics profession based on Islamic education in IT curriculum in SMK (Ramadhea Jr 2022). The goal is For evaluate influence Islamic education in to form ethics profession in the IT field. With use approach qualitative, data collected from teachers and experts curriculum For explore integration ethics in IT education.

Background behind study This originate from development rapid technology information that brings benefit big at a time challenge ethical. Issues like data privacy, security cyber, implementation fair and responsible algorithm answer social company the more stand out. As IT professionals who play role important in life daily, behavior ethical they very much important.

School intermediate vocational schools, such as vocational schools, are responsible answer For prepare student become competent and responsible professional answer (Minister of Education, Culture, Research, and Technology, 2022). Integration of ethics profession in IT curriculum is very important For reduce risk action No ethical, such as violation privacy, data misuse, or distribution information fake (Nur 2013, 14–18). Research This aiming For bridge gap between knowledge theoretical and application practical with merge Islamic values to in IT curriculum, so that to form base strong ethics among student.

Study This conducted at SMK Negeri 1 Sumber, which offers a skills program technique network computers and telecommunications. Research This investigate How Islamic education can integrated to in IT curriculum for increase behavior ethical students. Research results This expected give outlook valuable For increase quality IT education and preparation student face challenge ethics in the digital era (Curriculum of State Vocational High School 1 Source 2023, 22).

RESEARCH METHOD

This study uses a qualitative method to understand the theory of Islamic Religious Education and professional ethics in information technology (Mulyana 2018, 188) . Data were collected from vocational high school students who were undergoing Field Work Practice (PKL). The study was conducted at SMK Negeri 1 Sumber, Sumber District, Rembang Regency, which has two expertise programs: Automotive Engineering and Computer and Network Engineering (SMK Negeri 1 Sumber Curriculum 2023). The research subjects were selected using a purposive sampling technique, which included TKJ students, productive subject teachers, principals, vice principals for curriculum (Anggreni 2024) , PAI teachers, and Guidance and Counseling (BK) teachers (Jayanti 2024).

Data were collected through several techniques, namely interviews, observations, and documentation studies (Subadi 2006, 64) . Interviews were conducted with teachers, students, and school staff to obtain their views on professional ethics and the role of Islamic Religious Education (Bungin 2010, 79) . Observations were conducted to observe the learning process in the classroom and computer laboratory (Nasution 2023, 65) . Documentation studies involved analyzing documents such as curriculum, syllabus, and teaching materials. This study used primary data obtained from interviews and surveys with students, as well as secondary data obtained from analyzing school documents (Nasution 2023, 63–64) . Data were analyzed by systematically compiling the results of observations, interviews, and documentation to understand the problems being studied. The validity of the data was ensured through data collection from various sources, providing an in-depth description of the research, documenting each step of the research, and reflecting biases and assumptions that might affect the results of the research.

RESULTS AND DISCUSSION

Study This confirm that integration ethics profession based on PAI in Vocational school curriculum is very important For to form professional technology information that is not only competent in a way technical but also has high moral integrity. With Thus, vocational school graduates are expected to can face challenges in the world of work with ethical and responsible attitude answer, and capable give contribution positive for society and industry technology information.

Ethics integration profession in the field technology information in Vocational school curriculum, especially in the Computer and Network Engineering (TKJ) department at State Vocational School 1 Sumber, can applied through merger Islamic Religious Education Values (Wijaya 2023) . Implementation This aiming For to form character students who do not only competent in a way technical but also has high moral integrity (Pangestu and Abidin 2020) . Islamic Religious Education provides a strong moral foundation, such as honesty, responsibility responsibility, and justice, which are very relevant in face challenge ethics in the world of technology information. With Thus, students expected can develop attitude ethical professional in every aspect work they.

Study This show that students who have accept education ethics profession PAI based shows a more positive attitude positive and responsible answer in use technology information. This is prove that integration of PAI in vocational school curriculum can help student understand and apply ethics profession in life everyday. Challenges main in propose eye lesson special about ethics profession in the field technology information PAI based is lack of source power and support from party schools and government. However, the opportunities For develop more curriculum comprehensive still there is, especially with existence support from committed teachers and increasing understanding increase about importance ethics profession.

Curriculum design ethics profession PAI based must covers various aspects, starting from principles base ethics profession until implementation practical in situation real. With Thus, vocational school graduates are expected to can face challenges in the world of work with ethical and responsible attitude answer, and capable give contribution positive for society and industry technology information (“ Achievements Learning for SD/MI/ Package A Program, SMP/MTS/ Package B Program, and SMA/MA/ Package C Program in the Independent Curriculum.” 2023) .

Study This emphasize importance integration ethics profession based on Islamic Religious Education (PAI) in vocational school curriculum, especially in the Computer and Network Engineering (TKJ) department. This integration aiming For to form character students who do not only competent in a way technical but also has high moral integrity. In context technology information, ethics profession is very important For prevent data misuse, breach privacy, and actions No ethical others. Islamic Religious Education provides strong moral values like honesty, responsibility responsibility, and justice, which are very relevant in face dilemma ethics in the world of technology information.

Study This show that implementation ethics profession based on PAI at SMK Negeri 1 Sumber can help student understand importance ethics in every aspect work they. The teachers at this vocational school has make an effort integrate values ethics in the learning process, even though Not yet There is curriculum special that teaches ethics profession in a way deep. Through interview with teachers and students, found that values like honesty, responsibility responsible, and disciplined Already start applied in activity everyday at school, good in classroom learning and also in practice Work field (PKL).

Challenge main in propose eye lesson special about ethics profession in the field technology information PAI based is lack of source power and support from party schools and government. However, the opportunities For develop more curriculum comprehensive still there is, especially with existence support from committed teachers and increasing understanding increase about importance ethics profession. Research this also found that students who have accept education ethics profession PAI based shows a more positive attitude positive and responsible answer in use technology information.

Curriculum design ethics profession based on PAI in the field of technology information in vocational schools must be covers various aspects, starting from principles base ethics profession until implementation practical in situation real. Curriculum This must designed such that appearance so that can integrated with eye other relevant lessons, such as the basics technique network computers and communications. In addition that, it is necessary There is training special for teachers to ensure they capable teach ethics profession with effective and attractive for student.

CONCLUSION

Ethics integration profession based on Islamic Religious Education (PAI) in The vocational school curriculum, especially in the Computer and Network Engineering (TKJ) department at SMK Negeri 1 Sumber, is very important. For to form character students who do not only competent in a way technical but also has high moral integrity. Islamic Religious Education provides a strong moral foundation, such as honesty, responsibility responsibility, and justice, which are very relevant in face challenge ethics in the world of technology information. Research This show that students who have accept education ethics profession PAI based shows a more positive attitude positive and responsible answer in use technology information. Although There is challenge in propose eye lesson special about ethics profession, opportunities For develop more curriculum comprehensive still There is with support from teachers and increased understanding about importance ethics profession.

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