



Application of Kamil's Human Character through Soft Skill Development in IT Middle Schools

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ABSTRACT

The main problem faced in SMP IT is that developing soft skills in students is not an easy job for teachers in carrying out their daily activities. This condition is based on limited reading materials and exercises that provide inspiration regarding practices that can develop students' soft skills. The aim of this research is to find out how to apply the human character through the development of soft skills in SMP IT. This research method uses quantitative methods by conducting online surveys and in-depth interviews. The results of this research explain that developing soft skills in students is not an easy thing, but based on reading and inspiring exercises, human character will be formed. The conclusion of this research is that the application of human character through the development of soft skills in SMP IT is very important, so that opportunities are opened for students to have the skills needed in the future to build civilization and work as professionals. The limitation of this research is that the researcher only conducted research on how to apply our human character through developing soft skills in IT Middle Schools only. The researcher hopes that future researchers will carry out the same research but develop it in all schools, both elementary, middle and high school.

Keywords: Human Kamil, Provide Inspiration, Soft Skills

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INTRODUCTION

In eraThis globalization is very important to form the characteristics of perfect human beings. Seeing progress from time to time that experiences changes makes a person change his way of thinking. Today's progress is increasingly rapid, both in terms of technology, politics and science(Choi & Seo, 2020; Niazian et al., 2018; Schultz, 2018; Yuan et al., 2019). Sometimes it seems like people's brains no longer function if they don't have a smartphone, because currently humans live in an era of quite sophisticated technology. Whether it's information, watching, learning, we can see it all from our cellphones. For this reason, it is necessary to improve character in a person's development process so that they can be well educated. Character education is also a support for

becoming a good character(Alfina et al., 2017; Choi & Seo, 2020; Yoon et al., 2018). The formation of a character depends on the environment, both from within the family and from the environment.

Character is a collection of traits, personality or disposition that exist in humans(Brand et al., 2019; Delmas, 2018; Q. Zhang et al., 2018). Character can also be interpreted as a person's fundamental personality. For example, his attitude of honesty, discipline, and religion. Character is also closely related to a person's behavior or personality. If someone has no morals, is dishonest, or is arrogant, then he or she has bad character. In contrast to someone who has good character, is honest, has noble character, he is someone who has good character. Quality character can be formed from an early age. Therefore, guidance from parents and teachers is very important in forming character. Apart from that, apart from parents and teachers, the environment is also an important supporting factor in forming quality character.

Character education is learning which aims to educate and train the abilities of the next generations(Datta et al., 2018; Wai-Lok Lai et al., 2018). Character education is very important nowadays. Where the morals and character of the nation's children are threatened due to social interactions and technological advances that can affect their development. This character education can also be a reference or lesson for students to make them have good character and personality. In order to realize character education that can build the next generations, values must be instilled from the start(Connelly, 2018; Ishizuka, 2018; Lovreglio, 2018). Such as discipline, honesty, and so on. Not only to improve a good personality, but this character education also aims to form a perfect human being.

In Islam, Insan Kamil first appeared in the 7th century H/13 AD. Insan Kamil is a person or human being who is perfect both in terms of knowledge and form.(Elfiky, 2020; Kim & Cho, 2019; M. Zhang et al., 2018). For example, faith, devotion, persistence, and so on. Kamil people are humans who are of a higher rank than others. It is called that because among all of God's creatures humans are the ones who are most ready to receive the name and attributes of God. Then those who are considered as human beings are people who have carried out a process so that they can follow Him. The degree of closeness of a human being is determined by how that person knows God(Fletcher & Wennekers, 2018; Qian et al., 2018). Judging from the current era which is full of progress and technology as well as changes in the social environment, this has resulted in most people being negligent in worship and ignoring their environment.

Therefore, Kamil people are very influential today, not only in the social sphere but also spiritually(Chen et al., 2018; Moore et al., 2018; Rizzuto et al., 2018). In modern times, quite a few people have deviated from their worship. Like the schools that carry the wrong dhikr, for example dhikr by mentioning the name of Allah SWT but in the wrong way. There are even sects that instill in their followers to worship but don't do it, just with intention. For ordinary people who don't know about religion, it will certainly be easy to fall into things like that. Today's modern society is not only lacking in terms of religion,

but also morals and ethics that impact social life(Adebayo, 2020; Lima, 2021; Rumetta et al., 2020). That is how important it is to instill human character in today's modern society.

To reach the perfect human character, there needs to be support that helps someone to reach that point(Sauri et al., 2022). Having support and encouragement from family and the surrounding environment is also a major factor(Bjereld, 2018; Laird et al., 2018; Miller et al., 2019). Apart from that, education that participates in providing an understanding of abilities, religion, social, etc. is also included as support for the realization of our human character.(Binnewies et al., 2018; Gilbert et al., 2018; Reichstein et al., 2019). Applying insan kamil in everyday life is not an easy thing(Ursprung et al., 2020; Wang et al., 2019; Zahiri et al., 2020). From the meaning alone, he is already a perfect human being(Curran & Hill, 2019; Li et al., 2019; Sun & Zhai, 2020). Meanwhile, in this day and age, it is quite difficult to find a person who is perfect in faith, attitude and personality. A person who wants to become a perfect human being must have extraordinary patience and maintain his attitude(Elfiky, 2020, p. 19; Grani et al., 2018; Mauvais-Jarvis, 2020, p. 19). Don't forget to guard against mistakes so that you don't deviate from the teachings of your religion.

According to Siti Nur 'Aini, in her understanding, she said that the Prophet Muhammad was a role model for a perfect human being. Where the Prophet Muhammad was the one who had a life full of persistence, patience, devotion, and so on. In this case, it also affects children who are developing, such as those at SMP IT, namely the Integrated Islamic Junior High School, which has a clear religious background and qualified educators in it. These students should be guided and coached by teachers at school and by their parents at home. The application of our human character by using soft skills development in SMP IT with the aim of developing students' abilities, interests and talents is very good for forming the next generations who are qualified, qualified and talented.

Based on the description above, researchers are very interested in learning more deeply about the application of human character through the development of soft skills in SMP IT. The aim of this research is to see how far students have progressed in this modern era. And how educators try to educate their students to become perfect human beings. Researchers hope that students can be motivated by the development of soft skills that have been implemented and understand what is taught by educators in order to create a generation that is broad-minded and has high skills. It is hoped that in the future the development of soft skills to implement the perfect human character can be implemented at all levels of education, not only at IT Middle School, but from early childhood to university.

RESEARCH METHOD

The research method used is a quantitative research method(Izza et al., 2020; Mudjiyanto, 2018; Wijayanti, 2022). The type of research used is survey and data management. Research that uses quantitative methods is a process of finding information in the form of numbers so that you can find out information about what is being researched(Fitri & Haryanti, 2020). Therefore, the researcher tried to understand and

explain the understanding obtained through a survey between researchers of the subjects to be interviewed. Researchers use analysis from sources so that researchers can understand what actually happened. In the process of this research, the researcher did not ask detailed questions, but the questions given to the subject were general questions first, after this was done, the subject was asked to talk as a whole.

The aim of this research is to present the results of the research process carried out by means of interviews so that researchers can obtain clear and accurate information (Arifin, 2020; Danuri et al., 2019; Darmalaksana, 2020). In this case the researcher used online-based communication with Google Forms and via WhatsApp. This strategy was chosen because researchers can get more accurate and concrete information about subjects who directly experience the process. This research requires an observation carried out by the researcher to get a realistic picture of characters and humans in order to understand the problems that really occur. Capturing the truth does not only involve researching one person, but also many people, because each person has a different view, so they cannot capture the whole truth.

The target of this research is to explore the character formation patterns of students at SMP IT in order to build human character through soft skills development. To obtain accurate data regarding the research object, the author will use quantitative research, data collection techniques through interviews. Interviews were conducted to obtain data regarding the understanding of SMP IT teachers regarding the application of the human character. The interview was developed through character components which included a description of the concept of character education in schools. The character values developed and the approach methods used by teachers in implementing these character values.

Next is about data analysis techniques. Data analysis is the process of searching for and organizing interview transcripts and other materials that have been collected by researchers. Analyzing activities are continued by reviewing the data, arranging and dividing it into units that can be managed well. Search and find what is meaningful and what can be researched and can be reported systematically. In other words, this data is a description of a person's statements about experiences or attitudes or beliefs that are in accordance with the program. This data analysis was carried out in quantitative research from the beginning of the research using Google Form media, one of which was until the end of the research by interacting with the research setting and subjects in order to collect the data. This data analysis technique also aims to direct, classify, sharpen, remove what is not necessary and organize the data so that there is a final conclusion.

Data from the research results were then analyzed and explained using quantitative methods, namely looking at the percentage of each survey question that had been distributed. The percentage was then described in words and discussed by the researcher and using references from relevant previous research. In the discussion of research results, narratives and expert opinions will be combined in the form of existing research conclusions. So that it can be concluded well and described and explained how the results of the respondent's answers are in accordance with the options that have been given. After

that, the researcher made a diagram according to the results obtained. The aim is to find out the connection between Islamic religious education and science and technology in order to create motivation to learn from students, so that students have enthusiasm and innovation in the learning process.

RESULTS AND DISCUSSION

Based on research through in-depth interviews with students, it helps create student character. This research via Google form found that the character education of students at school can be carried out well. It can be recommended that every school create learning media for character education in students. The aim of building character is, apart from directly building superiority, it also builds discipline and learning achievement in students. Forming character that is instilled correctly using perfect methods can form high character and moral values. Character values can improve personal qualities, for example being trustworthy, having integrity, high enthusiasm, being tough, respecting each other, being fair and responsible. As a generation of students who reflect the nation, they are required to have good character. It is necessary that the values applied at school can be absorbed and realized in daily activities. Here, the role of an educator is very crucial in building character in students so that character formation is in sync with what is needed and is able to form a positive side for the nation and state, especially oneself.

In accordance with the title discussed by researchers about The application of the Insan Kamil character through the development of soft skills in junior high school, it is equally known that the Insan Kamil character in students' lives has high relevance, meaning it is in accordance with the nature of character formation in students. Learning will be optimal if the formation of character in students is accompanied by learning media that is easily captured by the students, accompanied by illustrations such as learning media that can shape the character of students according to the character that should exist in the student, can provide an overview to students. about what the character of a good student is like. Students no longer only think abstractly but can also describe concretely through the illustrations of the learning media provided. Learning media can also be said to be one of the important things in shaping students' character. The results of this research, the researcher describes in the form of a diagram.

Kamil's Human Character is Very Important for Students



Based on the results of the research above regarding Kamil's human character is so important to students that it can be seen that there were 54 respondents who responded to the online survey that the researchers distributed. Responses from respondents varied. In the statement that human character is very important for students, 92.60% of respondents chose to agree, 5.60% chose to disagree, and 1.90% chose normal. This can be concluded that many students support the human character for students, not only students who are supported by their personality. This human character can be emerged through character education from teachers and parents. Parents as students' first education play an important role in students' character. A child's good or bad behavior can be identified early on, especially for parents who live with the student. Teachers as second parents are also important in educating students because at school students can be educated by teachers.

Character Education Has a Big Influence on Students' Character



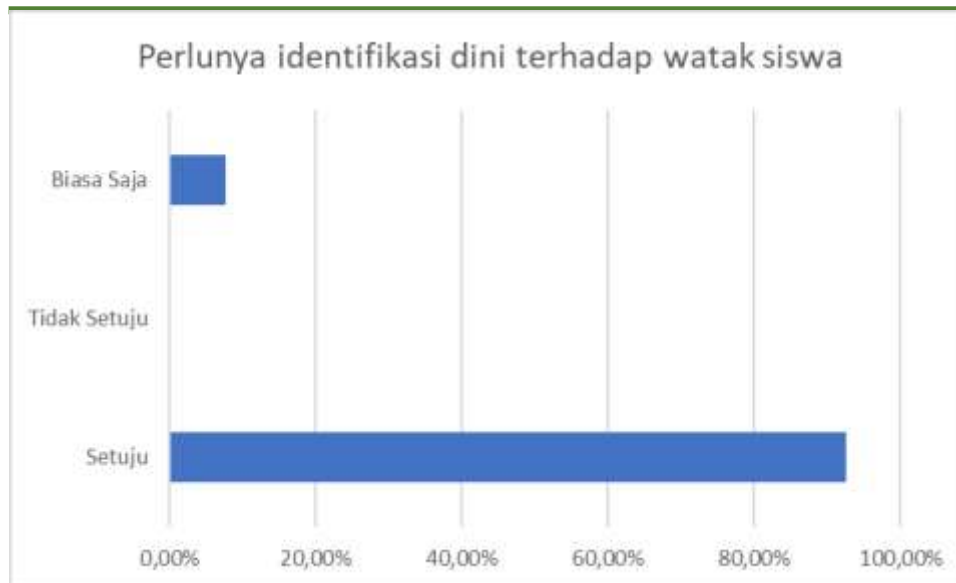
Based on the results of the research above regarding Character Education Has a Big Influence on Students' Character. In fact, it can be seen that there were 54 respondents who responded to the online survey that the researchers distributed. Responses from respondents varied. In P's statement Character education has a big influence on students' character 87.00% of respondents chose to agree, 11.10% chose to disagree, and 1.90% chose indifferent. It can be concluded that character education, starting from early education (PAUD), elementary school (SD), junior high school, senior high school, to higher education, requires character education for students' character. It is not only normal educational institutions that need to be given character education in family education, but this does not need to be forgotten. The family as the place where students live must also provide character education for their children. Students are shaped by their character because character is prioritized in society.

The character of students today has been polluted by the influence of globalization



Based on the graph above, it can be seen from the results of the respondents' answers that each respondent had a different answer. Among them, there were respondents who answered agree, normal, and disagree with the statement above. Therefore The character of students nowadays has been polluted due to the influence of globalization and has good responses from the audience. This can be said to be good because of the 90.60% who responded and gave an affirmative answer, 1.90% chose to disagree, and 5.60% chose as normal. Therefore, schools in Indonesia, especially IT junior high school level, must shape the character of their students. Because intelligence and cleverness alone will not produce quality students at a school. Therefore, educational institutions need to pay attention to this in implementing education, especially for teachers who take on the role of teacher and homeroom teacher.

The Need for Early Identification of Student Character



Based on the results seen from the graph above, it can be seen that there is a need for early identification of student character. The results of the answers given by respondents were very different, some gave answers that were agree, normal, and disagree. Respondents who gave an affirmative answer were 92.60%, while 7.60% were normal. As seen from the graph, many respondents gave agree answers. This is of course a serious concern for educators, especially at IT Middle Schools. For this reason, schools need to make system changes to student character, namely by using early identification. This is because students use Android more often in their daily lives. Therefore, teachers must be more interactive in using Android in order to provide effective learning media. Because currently there are many applications that teachers can use to create learning media. So this will have a good influence on the learning process for students.

Schools Must Provide Character Education to Students



Based on the research results from the graph above, it can be seen that it is important for schools to instill character education in students. It can be seen that there were 54 respondents who responded to the online survey that the researchers distributed. On the question that schools should provide character education to students, there were different answers given by respondents, some gave agree, disagree and indifferent answers. The number of respondents who gave agree answers was 96.30%, 1.90% disagreed, and 1.90% were normal. It can be concluded that it is very important for schools to provide character education so that it is applied to students at SMP IT. Not only do educational institutions provide character education, but families must also provide character education to their children. Because character education is very important for educational participants today, so that generations of quality, quality and talent are created.

Learning Soft Skills Can Provide More Intelligence for Students



Based on the research results from the graph above, it can be revealed that studying soft skills can provide more intelligence for students and get a good response from students. The respondents who gave agree answers were 85.20%, 3.70% disagreed, and 11.10% were normal. From the results of the survey data above, it can be concluded that it is important to learn soft skills to improve students' thinking power. For this reason, schools in general, especially IT junior high schools, must be able to provide an understanding of soft skills so that they can support students' intelligence during the education process. Learning soft skills can not only increase intelligence, but also increase insight and have high skills. Therefore, as an educator, you should be able to provide a proper understanding of soft skills. Because developing soft skills can make students have perfect character, or what is usually called human character.

A good role model for students is the Prophet Muhammad SAW



Based on the results of the graph above, it can be seen what the respondents think is that a good role model for students is the Prophet Muhammad SAW. Where there is 54 respondents responded to the online survey with various answers, some chose agree, disagree and indifferent. In the question of a good role model for students is the Prophet Muhammad SAW, 90.70% of respondents chose to agree, 3.70% of respondents chose to disagree, and 5.60% of respondents chose as normal. This can be concluded that students believe that the Prophet Muhammad SAW was a good role model for Muslims. In this case, the teacher's role in instilling a role model attitude in students is very important. A teacher's strong personality can also help provide an example of how to be a good role model, such as instilling positive thinking processes, dressing politely, being organized and being on time. In this way, it will not be difficult in the future to form students who have good role models.

Kamil's Human Character Influences Students' Social Affairs



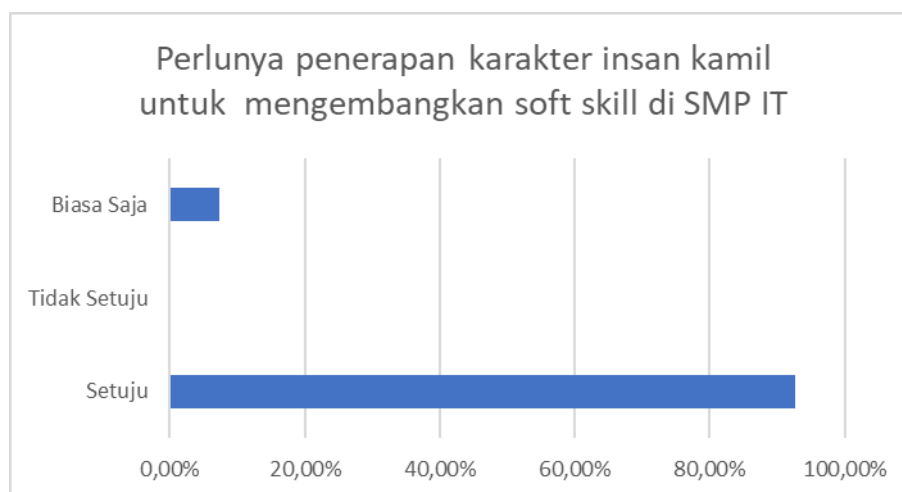
Based on the graph above, it can be seen from the results of the respondents' answers that each respondent had a different answer. Among them, there were respondents who answered agree, normal, and disagree with the statement above. Therefore The character of Kamil's people has an influence on society. Students have good responses from the audience. This can be said to be good because of the 92.60% who responded and gave an affirmative answer, and 7.40% chose normal. In today's social life, it is very rare to find perfect human characters. This is clearly a new challenge for educators in educating students with noble character, especially in SMP IT, where schools that are based on religion with teachers who certainly have high potential in educating should not be difficult to form human character in the learning process. .

Kamil's Human Character Influences Students' Spirituality



Based on the graphic results above, it can be seen what the respondents think about Kamil's Human Character Influences Students' Spirituality. There were 54 respondents who responded to the online survey with various answers, some chose to agree and be normal. On the question of Kamil's Human Character Affecting Students' Spirituality, 94.40% of respondents chose agree and 5.60% of respondents chose normal. It can be concluded that many respondents chose the influence of human character on students' spirituality because good student character will certainly have a good impact on the students themselves and on the community environment. This human character is the basis for interacting with Allah SWT as the creator and interacting with fellow humans. Insan Kamil shapes students' character to be even better for students' spiritual continuity and also social interaction with anyone.

The need to apply Kamil's human character to develop soft skills in IT junior high schools



Based on the graphic results above, it can be seen what the respondents think about There is a need to apply our human character to develop soft skills in SMP IT. There were 54 respondents who responded to the online survey with various answers, some chose to agree and be normal. On the question of the need to apply human character to develop soft skills in SMP IT, 92.60% of respondents chose agree and 7.40% of respondents chose normal. It can be concluded that the statement of the need to apply human character to develop soft skills in IT Middle Schools is the conclusion of a survey that researchers have conducted. Soft skills without being accompanied by the application of human character are certainly not a good thing. Especially at the IT Middle School level, at this level students' emotions must be controlled with human character which will shape the students' character to be better in the future.

CONCLUSION

Developing soft skills in building perfect human character at SMP IT is an effort made by teachers to build good attitudes and behavior in everyday life. Building our human character through developing soft skills is very important for teachers to implement, because with that students can develop their abilities, interests and talents to form the next generations who are qualified, qualified and talented. Implementing our human character through developing soft skills requires supervision and control from a teacher and student guardians, because attitudes and behavior are instilled not only at school but also at home. Therefore, educators must be able to present an understanding of soft skills development so that students can develop good character. Educators in building student character must have good character to support students in doing this. For this

reason, the role of teachers in providing support and modeling good attitudes towards students can be a determining factor in building human character in students at SMP IT.

Based on the title raised by the researcher that The application of our human character through the development of soft skills can be implemented properly and correctly through special guidance at school. The aim of conducting this research is to find out to what extent students have human character at SMP IT and how many students like the learning media used by the teacher. And in this research it can be seen to what extent teachers present interactive media to support the learning process. By using data analysis techniques using survey methods or creating a questionnaire which is useful for collecting data related to the research theme. This data was obtained from 80 people who provided their points of view, especially students who were studying at junior high school. So based on the results of research using a survey via Google Form, it shows that the efficiency of learning media in building student character can be implemented well in SMP IT.

SUGGESTION

As are the results and discussion of research and surveys conducted by researchers regarding the application of human character through the development of soft skills. Here the researcher realizes that he is only conducting research at SMP IT schools, but the researcher hopes that the application of human character through the development of soft skills can be applied to all levels of education in junior high school, not only at SMP IT schools, because it builds perfect human character through development. Soft skills also need to be applied to all students, in order to create a generation with good morals and character in facing the current era of society. And students are expected not to follow too many chaotic developments, because this will have an impact on the difficulty of building character. Researchers hope that future research can implement things that are even more interesting and effective and can carry out research directly with students.

REFERENCES

- Adebayo, A. A. (2020). Religions and Legal Regimes Function in the Protection of Children. *Journal of Indonesian Legal Studies*, 5(2), 335–360. <https://doi.org/10.15294/jils.v5i2.38049>
- Alfina, I., Mulia, R., Fanany, MI, & Ekanata, Y. (2017). Hate speech detection in the Indonesian language: A dataset and preliminary study. 2017 International Conference on Advanced Computer Science and Information Systems (ICACSIS), 233–238. <https://doi.org/10.1109/ICACSIS.2017.8355039>
- Arifin, Z. (2020). Educational research methodology. *Al-Hikmah Journal*, Query date: 2022-10-26 15:16:35. <http://alhikmah.stit-alhikmahwk.ac.id/index.php/awk/article/view/16>
- Binnewies, M., Roberts, E.W., Kersten, K., Chan, V., Fearon, D.F., Merad, M., Coussens, L.M., Gabrilovich, D.I., Ostrand-Rosenberg, S., Hedrick, CC, Vonderheide, R.H. , Pittet, M.J., Jain, R.K., Zou, W., Howcroft, T.K., Woodhouse, E.C., Weinberg, R.A., & Krummel, M.F. (2018). Understanding the tumor immune microenvironment (TIME) for effective therapy. *Nature Medicine*, 24(5), 541–550. <https://doi.org/10.1038/s41591-018-0014-x>
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- Bjereld, Y. (2018). The challenging process of disclosing bullying victimization: A grounded theory study from the victim's point of view. *Journal of Health Psychology*, 23(8), 1110–1118. <https://doi.org/10.1177/1359105316644973>
- Brand, M., Wegmann, E., Stark, R., Müller, A., Wölfling, K., Robbins, T. W., & Potenza, M. N. (2019). The Interaction of Person-Affect-Cognition-Execution (I-PACE) model for addictive behaviors: Update, generalization to addictive behaviors beyond internet-use disorders, and specification of the process character of addictive behaviors. *Neuroscience & Biobehavioral Reviews*, 104, 1–10. <https://doi.org/10.1016/j.neubiorev.2019.06.032>
- Chen, C., Han, Y., Chen, Y., Lai, H.-Q., Zhang, F., Wang, B., & Liu, K. J. R. (2018). TR-BREATH: Time-Reversal Breathing Rate Estimation and Detection. *IEEE Transactions on Biomedical Engineering*, 65(3), 489–501. <https://doi.org/10.1109/TBME.2017.2699422>
- Choi, T., & Seo, Y. (2020). A Real-Time Physical Progress Measurement Method for Schedule Performance Control Using Vision, an AR Marker and Machine Learning in a Ship Block Assembly Process. *Sensors*, 20(18), 5386. <https://doi.org/10.3390/s20185386>
- Connelly, B. L. (2018). Competence- and Integrity-Based Trust in Interorganizational Relationships: Which Matters More? *Journal of Management*, 44(3), 919–945. <https://doi.org/10.1177/0149206315596813>
- Curran, T., & Hill, A. P. (2019). Perfectionism is increasing over time: A meta-analysis of birth cohort differences from 1989 to 2016. *Psychological Bulletin*, 145(4), 410–429. <https://doi.org/10.1037/bul0000138>
- Danuri, P., Maisaroh, S., & Prosa, P. (2019). Educational Research Methodology. repository.upy.ac.id. <http://repository.upy.ac.id/2283/>
- Darmalaksana, W. (2020). Writing Class Experience Research Formula. Writing Class at UIN Sunan Gunung Djati..., Query date: 2022-10-26 15:16:35. <http://digilib.uinsgd.ac.id/32620/>
- Datta, S., Saha, M.L., & Stang, P.J. (2018). Hierarchical Assemblies of Supramolecular Coordination Complexes. *Accounts of Chemical Research*, 51(9), 2047–2063. <https://doi.org/10.1021/acs.accounts.8b00233>
- Delmas, C. (2018). Sodium and Sodium-Ion Batteries: 50 Years of Research. *Advanced Energy Materials*, 8(17), 1703137. <https://doi.org/10.1002/aenm.201703137>
- Elfiky, AA (2020). Anti-HCV, nucleotide inhibitors, repurposing against COVID-19. *Life Sciences*, 248, 117477. <https://doi.org/10.1016/j.lfs.2020.117477>
- Fitri, A., & Haryanti, N. (2020). EDUCATIONAL RESEARCH METHODOLOGY: Quantitative, Qualitative, Mixed Method, and Research and Development. repo.uinsatu.ac.id. <http://repo.uinsatu.ac.id/23533/>
- Fletcher, J. M., & Wennekers, T. (2018). From Structure to Activity: Using Centrality Measures to Predict Neuronal Activity. *International Journal of Neural Systems*, 28(02), 1750013. <https://doi.org/10.1142/S0129065717500137>
- Gilbert, J. A., Blaser, M. J., Caporaso, J. G., Jansson, J. K., Lynch, S. V., & Knight, R. (2018). Current understanding of the human microbiome. *Nature Medicine*, 24(4), 392–400. <https://doi.org/10.1038/nm.4517>
- Grani, G., Lamartina, L., Cantisani, V., Maranghi, M., Lucia, P., & Durante, C. (2018). Interobserver agreement of various thyroid imaging reporting and data systems. *Endocrine Connections*, 7(1), 1–7. <https://doi.org/10.1530/EC-17-0336>
-

-
- Ishizuka, O. (2018). Age of Izu–Bonin–Mariana basement arc. *Earth and Planetary Science Letters*, 481(Query date: 2022-10-26 13:34:13), 80–90. <https://doi.org/10.1016/j.epsl.2017.10.023>
- Izza, A., Falah, M., & Susilawati, S. (2020). Literature study: Problems of learning evaluation in achieving educational goals in the era of independent learning. *Conference Proceedings...*, Query date: 2022-10-26 15:16:35. <https://proceeding.unikal.ac.id/index.php/kip/article/view/452>
- Kim, T.-Y., & Cho, S.-B. (2019). Predicting residential energy consumption using CNN-LSTM neural networks. *Energy*, 182, 72–81. <https://doi.org/10.1016/j.energy.2019.05.230>
- Laird, Y., Fawcner, S., & Niven, A. (2018). A grounded theory of how social support influences physical activity in adolescent girls. *International Journal of Qualitative Studies on Health and Well-Being*, 13(1), 1435099. <https://doi.org/10.1080/17482631.2018.1435099>
- Li, Y., Zeng, J., Shan, S., & Chen, X. (2019). Occlusion Aware Facial Expression Recognition Using CNN With Attention Mechanism. *IEEE Transactions on Image Processing*, 28(5), 2439–2450. <https://doi.org/10.1109/TIP.2018.2886767>
- Lima, H.P. (2021). Mística na tradição ocidental em Lima Vaz. *Revista Portuguesa de Filosofia*, 76(4), 1487–1508. https://doi.org/10.17990/RPF/2020_76_4_1487
- Lovreglio, R. (2018). Prototyping virtual reality serious games for building earthquake preparedness: The Auckland City Hospital case study. *Advanced Engineering Informatics*, 38(Query date: 2022-10-26 13:34:13), 670–682. <https://doi.org/10.1016/j.aei.2018.08.018>
- Mauvais-Jarvis, F. (2020). Aging, Male Sex, Obesity, and Metabolic Inflammation Create the Perfect Storm for COVID-19. *Diabetes*, 69(9), 1857–1863. <https://doi.org/10.2337/dbi19-0023>
- Miller, H., Tan, J., Clayton, J.M., Meller, A., Hermiz, O., Zwar, N., & Rhee, J. (2019). Patient experiences of nurse-facilitated advanced care planning in a general practice setting: A qualitative study. *BMC Palliative Care*, 18(1), 25. <https://doi.org/10.1186/s12904-019-0411-z>
- Moore, DJ, Jain, S., Dubé, MP, Daar, E.S., Sun, X., Young, J., Corado, K., Ellorin, E., Milam, J., Collins, D., Blumenthal, J., Best, B.M., Anderson, P., Haubrich, R., & Morris, S.R. (2018). Randomized Controlled Trial of Daily Text Messages to Support Adherence to Preexposure Prophylaxis in Individuals at Risk for Human Immunodeficiency Virus: The TAPIR Study. *Clinical Infectious Diseases*, 66(10), 1566–1572. <https://doi.org/10.1093/cid/cix1055>
- Mudjiyanto, B. (2018). Exploratory communication research type. *Journal of Communication and Media Studies*, Query date: 2022-10-26 15:16:35. <http://jurnal.kominfo.go.id/index.php/jskm/article/view/220105>
- Niazian, M., Sadat-Noori, S. A., & Abdipour, M. (2018). Artificial neural network and multiple regression analysis models to predict essential oil content of ajowan (*Carum copticum* L.). *Journal of Applied Research on Medicinal and Aromatic Plants*, 9, 124–131. <https://doi.org/10.1016/j.jarmap.2018.04.001>
- Qian, X., Loo, BRY, Castellanos, FX, Liu, S., Koh, HL, Poh, S., Lim, C. G., & Zhou, J. (2018). Brain-computer-interface-based intervention re-normalizes brain functional network topology in children with attention deficit/hyperactivity disorder. *Translational Psychiatry*, 8(1), 149. <https://doi.org/10.1038/s41398-018-0213-8>
-

-
- Reichstein, M., Camps-Valls, G., Stevens, B., Jung, M., Denzler, J., Carvalhais, N., & Prabhat. (2019). Deep learning and process understanding for data-driven Earth system science. *Nature*, 566(7743), 195–204. <https://doi.org/10.1038/s41586-019-0912-1>
- Rizzuto, D., Feldman, A.L., Karlsson, I.K., Dahl Aslan, A.K., Gatz, M., & Pedersen, N.L. (2018). *Journal of Alzheimer's Disease*, 61(4), 1301–1310. <https://doi.org/10.3233/JAD-170572>
- Rumetta, J., Abdul-Hadi, H., & Lee, Y.-K. (2020). A qualitative study on parents' reasons and recommendations for childhood vaccination refusal in Malaysia. *Journal of Infection and Public Health*, 13(2), 199–203. <https://doi.org/10.1016/j.jiph.2019.07.027>
- Sauri, S., Gunara, S., & Cipta, F. (2022). Establishing the identity of insan kamil generation through music learning activities in Islamic boarding schools. *Heliyon*, 8(7), e09958. <https://doi.org/10.1016/j.heliyon.2022.e09958>
- Schultz, M. (2018). A metric for the real-time evaluation of the aircraft boarding progress. *Transportation Research Part C: Emerging Technologies*, 86, 467–487. <https://doi.org/10.1016/j.trc.2017.11.002>
- Sun, C., & Zhai, Z. (2020). The efficacy of social distance and ventilation effectiveness in preventing COVID-19 transmission. *Sustainable Cities and Society*, 62, 102390. <https://doi.org/10.1016/j.scs.2020.102390>
- Ursprung, S., Beer, L., Bruining, A., Woitek, R., Stewart, G.D., Gallagher, F.A., & Sala, E. (2020). Radiomics of computed tomography and magnetic resonance imaging in renal cell carcinoma—A systematic review and meta-analysis. *European Radiology*, 30(6), 3558–3566. <https://doi.org/10.1007/s00330-020-06666-3>
- Wai-Lok Lai, W., Dérobert, X., & Annan, P. (2018). A review of Ground Penetrating Radar application in civil engineering: A 30-year journey from Locating and Testing to Imaging and Diagnosis. *NDT&E International*, 96, 58–78. <https://doi.org/10.1016/j.ndteint.2017.04.002>
- Wang, D., Bai, B., Lei, K., Zhao, W., Yang, Y., & Han, Z. (2019). Enhancing Information Security via Physical Layer Approaches in Heterogeneous IoT With Multiple Access Mobile Edge Computing in Smart City. *IEEE Access*, 7, 54508–54521. <https://doi.org/10.1109/ACCESS.2019.2913438>
- Wijayanti, L. (2022). 4.3 Research method objectives. *Educational Research Methodology*, Query date: 2022-10-26 15:16:35. <https://books.google.com/books?hl=en&lr=&id=apZnEAAQBAJ&oi=fnd&pg=PA36&dq=purpose+of+research&ots=ycyLUwbTEg&sig=iK4d4TzmnlbsQU474vaYvmKk-sA>
- Yoon, S., Byun, S., & Jung, K. (2018). Multimodal Speech Emotion Recognition Using Audio and Text. 2018 IEEE Spoken Language Technology Workshop (SLT), 112–118. <https://doi.org/10.1109/SLT.2018.8639583>
- Yuan, T.-C., Yang, J., & Chen, L.-Q. (2019). A harmonic balance approach with alternating frequency/time domain progress for piezoelectric mechanical systems. *Mechanical Systems and Signal Processing*, 120, 274–289. <https://doi.org/10.1016/j.ymssp.2018.10.022>
- Zahiri, M., Khanmohammadi, M., Goodarzi, A., Ababzadeh, S., Sagharjoghi Farahani, M., Mohandesnezhad, S., Bahrami, N., Nabipour, I., & Ai, J. (2020). Encapsulation of curcumin loaded chitosan nanoparticles within poly (ϵ -caprolactone) and gelatin fiber mat for wound healing and layered dermal reconstitution. *International*
-

-
- Journal of Biological Macromolecules, 153, 1241–1250.
<https://doi.org/10.1016/j.ijbiomac.2019.10.255>
- Zhang, M., Huang, N., Yang, X., Luo, J., Yan, S., Xiao, F., Chen, W., Gao, X., Zhao, K., Zhou, H., Li, Z., Ming, L., Xie, B., & Zhang, N. (2018). A novel protein encoded by the circular form of the SHPRH gene suppresses glioma tumorigenesis. *Oncogene*, 37(13), 1805–1814. <https://doi.org/10.1038/s41388-017-0019-9>
- Zhang, Q., Yang, L.T., Chen, Z., & Li, P. (2018). A survey on deep learning for big data. *Information Fusion*, 42, 146–157. <https://doi.org/10.1016/j.inffus.2017.10.006>
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