

Draft Implementation Learning *Discovery Learning* Interpretation Material Through *Artificial Intelligence* Chatbot Media Era Society 5.0

Muhamad Takrip*, Pathurrahman, Jhon Supriyanto, Hedhri Nadhiran,
Almunadi, Halimatussa'diyah

Universitas Islam Negeri Raden Fatah, Palembang.

Corresponding author*

muhamadtakrip_uin@radenfatah.ac.id

Abstract: Learning interpretation material that is still monotonous, participants educate only circles certain No all participant educate wish learn, and they not enough understand what is taught. This is happen Because participant educate experience difficulty in understand interpretation material taught by the teacher, and reduce interest they in learning, which has an impact on the results Study they . Discovery Learning is one of them effort For increase interest learning and Chatbot is one of types of AI that can teach user with ability learning machine interactive. The goal increase interest learn interpretation and more interesting For combining the virtual world and the real world as method For do innovation in learning Islamic religious education . Focus study This is qualitative with analyze problem related innovation learning interpretation material. Research This use study literature and concentrate on the ideas, benefits , and barriers associated with it. with use of AI chatbots for learning direct interpretation material . Research result show that approach Islamic religious education in general directly using AI chatbots in the digital era has very potential big . Learning This No only fun, but also can be help development they in a way overall . This own Lots benefits , such as increase Power pull learning , enabling approach more individual learning , and provide effective support For fulfil need specific to the Society 5.0 era.

Keywords: Artificial Intelligence, Era Society 5.0.

Introduction

One of very important component help results Study participant educate is a learning process, to help participant educate increase ability they For process information with possible way they to hook knowledge new with development cognitive those who have there is. With use This Discovery Learning lesson is expected participant educate become more creative and innovative. This model also emphasizes the ability individual each of them, which will used in group For get more information and knowledge complex. Some elements to be considered in the learning process including interest participant educate, attention participant educate, and participate participant educate in discussion group. In the teaching process, a teacher must notice a number of

activities, such as apperception, explanation material, cooperation everyone in group, questions or quiz, ability For do evaluation, giving award to individual, determine mark individual, conclude material lesson, and close lesson.¹

Effort increase results Study participant educate in learning draft base important, the teacher has not make draft good learning. activities learning so that can create an effective learning process and improve results Study participant educate. Besides that, with the right learning model, learning can become active and fun. Discovery learning is a learning model possible disclosure somebody For

¹ Umar Syam , Ansar, Sri Wahyuni Ramadhani , Muhajir, IMPLEMENTATION OF DISCOVERY LEARNING MODEL TO IMPROVE LEARNING OUTCOMES OF PPK₁₁ SUBJECTS IN CLASS IPS 1 STUDENTS OF SMAN 20 PANGKEP , Volume. 1. No. 4, September 2023 Page 434

understand concept, meaning, and relationship with using intuitive processes.²

Interesting methods and interactive media is alternative For increase ability cognitive and creativity students. For increase ability cognitive and creativity students, educators can use method appropriate learning with the material to be they teach. With remember that Topic theme second related with health, the discovery learning model is one of the most suitable learning models For used. Discovery learning gives student problem For completed. Educator help student solve problem with give they instructions.³

Strategies used by teachers to apply plan learning that has been arranged For reach objective education that has been set. In matter This, refers to the approach or methods used by educators For convey material to student so that they can understand it with more good and achieve achievement optimal learning. Students will see material learning with different way If delivered by the teacher or different instructors with the same way or different. Because of the involvement active is indicator domination in activity learning, learning process ideally involving students. With method this, students will use thinking they in a way active For make concept, solve problems, and implement what they know in life daily.⁴

Al-Qur'an is source the first Islam and one of the the most material studied at the institution education. However, some great process of learning the Koran only focus on text, instructions For memorize, and write, and very seldom discuss meaning substantial the verses or make habit For learn it since small. In fact, when student study the interpretation with different ways, they Study its

meaning.⁵ Cottage Islamic boarding school has use method sorogan, bandongan, Mudzakarrah, and lectures For teaching interpretation. The book of interpretations studied including Tafsir al- Khazin, Tafsir Ibn Al- Kathir , and Tafsir al- Jalalain .⁶

The methods used by each Ustad in interpretation lessons include bandongan, sorogan , memorization , lectures , and demonstrations. Methods the bandong is the most common method , in which students only listen and pay attention to the kyai or Ustad read the book, so that student must clever take notes what has been delivered . Method second, sorogan. Then method memorization, where the students given time a number of moment For memorize verses and their meanings, then memorize it in advance Ustad or kyai (deposit) method lectures, where the students only listen and pay attention lecture Ustad or kyai. method demonstration, where the students given material For studied alone, then given time For Study read and explain the verse in question. Among a number of method said, it turns out objective main learning Language Java, namely teach student Language Java, still Not yet achieved. Method the No can help student understand and practice Language Java from the book, so that they only understand and know Language Java but No Can practice it.⁷

So far There is Lots formulation For reading the Qur'an, such as iqro', qiro'ati, al- barqi, and Yanbu'a. However, method For study the interpretation of the Qur'an more accepted with refers to the books provided by the relevant institutions. The material on the interpretation of the Qur'an is more Lots carried out by the institution education special like college high and hut Islamic boarding school, providing impression

² Yoldy Sakul , *Development Design Learning Basic Concept of Integral with Discovery Learning Model* , Journal Social Humanities Sigli (JSH) , Volume 6 Number 2, December 2023, Page 823

³ Suhartini , *Implementation Online Discovery Learning Method for Increase Ability Cognitive and Creativity Class V Students on Clean Air Theme For Health at SDN Sumberbendo 02 Academic Year 2021/2022* , Educatif : Journal of Education Research 3(4), 2021, p. 98

⁴ Asyraful Khairi , Dedi Masri , Reza Pratama , Sabina Rasmita Dalimunthe , *LEARNING METHOD IN QS AN-NAHL VERSE 125 BASED ON AL-MISBAH'S TAFSIRS* , Hibrul Scholars: Journal Islamic Education and Science , Vol 5 No 2 December 2023, Page 48

⁵ Agus Imam Kharomen , *Method Interpretation Learning in Schools Based on ' Ulum Al-Qur'an, Andragogy: Journal Training Technical Education and Religion Vol. 8, No. 2, December 2020, Page 477*

⁶ Jani Arni , Ali Akbar, Hidayatullah Ismail, *Problematics Learning Tafsir Books at the Pondok Islamic Boarding School Riau Province* , POTENSIA: Journal Islamic Education , Vol. 6, No. 2, July – December 2020 Pg. 260

⁷ Wise Praise Haryadi , Muchotob Hamzah, Vava Imam Agus Faisal, *LEARNING METHOD OF THE BOOK OF TAFSIR AL-IBRIZ IN IMPROVING THE JAVANESE LANGUAGE COMPREHENSION ABILITY OF STUDENTS AT PPTQ AL-ASY'ARIYYAH* , Journal of Mandalika Literature Vol.3, No. 1 Page 348

that study the interpretation of the Koran only for adults. As a result, students, both at the base and also medium, no can develop touching learning of the Koran level its meaning (substantive). Some learning current interpretation material This only can accessed by adults – students, lecturers, and academics – and not For children or student.⁸

Method Study

Writing article This use method systematic literature. Research started with look for relevant literature with the topic to be researched. The data criteria consist of from article scientific from journal national from 2018–2024. At this stage beginning search article journal, collected with keywords search. After that, the title article chosen in accordance with idea Topic research. Furthermore, the quality relevant articles with Topic study evaluated with read Contents in a way overall. In study this, approach descriptive used as technique study qualitative with gather information or knowledge about information descriptive, good That written and also verbal. Collect as much data as you can considered, especially through search information and research previously.

Discussion

Every learning own objective based on room its scope For increase content learning, making tool gauge success, make material learning, making objectives, and so on, elements This can used as material development and design material learning, formulating objectives, and identify character students and needs they too consideration in activity Study teach support good education and learning. ⁹Learning process is

interaction between teachers and students For reach objective certain. Teachers do not only must convey lessons, but also must help student develop in a way physical and mental. Teachers must can make activity Study The Importance of Learning Media in the Learning Process Teach pleasant so that student No fast fed up or bored. Remembering not quite enough answer that big, a teacher must realize that they is power direct field carry out education and responsibility answer on success education.¹⁰

An effective and interesting method For increase skills think critical student in the learning process is with using discovery and inquiry learning models. These two models is a learning model based on problems that can used For increase ability student in Study think critical. The discovery learning model is a process that involves student For Study about what they see and how they do it. Discovery Learning helps student Study in a way active with find and investigate self they itself. The result of this process will still eternal and not can forgotten by students.¹¹

Cycle For improve the learning process of Discovery Learning of the Quran interpretation material. The learning process is 4 stages: planning, implementation, observation, and reflection.

- a. Participant educate watch related videos with Quran interpretation material presented by LCD (Exploring)
- b. With teacher's help, they find instruction task for the given (Identify)
- c. Participant educate look for information about Quran interpretation material from various source (Collecting Data)
- d. Participant educate compose and write results observation they in (Data Processing)
- e. The teacher asked every group For explain results discussion them and other groups to give advice or response (Proof).

⁸ Agus Imam Kharomen, LEARNING METHODS OF INTERPRETATION IN SCHOOLS BASED ON 'ULUM AL-QUR'AN, Andragogy: Journal Training Technical Education and Religion, Vol. 8, No. 2, December 2020, Page 477

⁹ Silvia Afifatuz Zulfah et al., Implementation Design ASSURE Model Learning Assisted by Animation Videos In Basic Hadith Al-Qur'an Lessons Material Meaning of QS AD-Duha, DAYAH: Journal of Islamic Education Vol. 6, No. 1, 82-95, 2023, Page 86

¹⁰ Amelia Putri Wulandari, Annisa Anastasia Salsabila, Karina Cahyani, Tsani Sophia Nurazizah, Zakiah Ulfiah, The Importance of Learning Media in the Learning Process Teaching, Journal on Education, Volume 05, No. 02, January - February 2023, Page 3929

¹¹ English: Dian Tri Wahyuni, Suhandi Astuti, Meta Analysis Effectiveness of Discovery Learning Model Learning and Inquiry into Ability Thinking Critical Students in Learning Thematic Class V Elementary School, Journal Teacher and Learning Studies, Vol.4, No. 2, May–August 2021, p. 422

Then 15 minutes Lastly, evaluation , reflection , and action carry on done. Activities assessment This using the evaluation process, starting with evaluation end tool evaluation For question evaluation individuals and forms evaluation For reflection implementation. For get accurate data , observation done so that researchers can see object study in a way direct.¹²

Along development of the era of this interpretation material used in studies ranking formal school . In 1945, Mahaad Muhammadi in Kelantan is one of them school first to receive discipline interpretation studies . Some year Later, the Malaysian Ministry of Education added tafsir to it in curriculum eye Islamic Education lessons at school middle and low. At stage this, students No only exposed to the interpretations of the traditions but also exposed to contemporary works and methodologies of interpretation.¹³

Since 20th century, research into the interpretation of the Qur'an, especially in Indonesia , has experience significant changes . Dynamics learning interpretation at college high Islam has cause shift paradigm in interpretive research, which is known as interpretation thematic interpretation, From the 1980s to now , thematic interpretation become a popular standard in Indonesia, especially in universities high Islam. Indeed, the interpretation thematic very popular in contemporary Indonesia, even become a trendy interpretation model. This caused by power pull interpretation thematic, which allows For find solution For various problems that arise from verses of the Qur'an. According to dynamics learning interpretation, interpreting discourse religious involving at least two action, namely give explanation more carry on or teach more carry on about concept. The interpretation book shows how importance give more explanation practical from

source main religious teachings. Translation from Language source to Language objective show aspect others. On step second , the interpreter feel change understanding from draft beginning to draft new. Interpreter Language background behind can make frame new different moment interpret and translate. Frame new covers three elements: language , thought , and action .¹⁴

Innovation one of them is learning interpretation with song qur -any is used For teaches the interpretation of ahkam. This can used as interlude when ahkam interpretation lesson done, or sung before lesson started. Besides that, for prevent student bored and fed up Because only lectures delivered, songs Quran -any can used as dhikr and prayer Because Contents from song . One of the methods used in the cottage Al Urwatul Islamic Boarding School Wutsqo Jombang For teach the interpretation of ahkam with use song Qur -any is effort For make student understand and easy accept Ahkam interpretation lessons, apart from That right on target, easy, practical, and creates lively and pleasant atmosphere. to with easy stimulate student For active in learn, grow Spirit For accept lessons delivered by teachers, and create atmosphere learning become relaxed and fun than tense and boring Because enter song Quran -any.¹⁵

Artificial Intelligence (AI) is abbreviation from " ingenuity artificial", which refers to abilities machine or computer For copy ingenuity human. One of the objective development intelligence artificial is For make a system that can do things that are usually need intelligence and ability humans, such as learning, introduction pattern, taking decisions, and understanding Language foreign. Application interesting interactive user can made with intelligence artificial. Game learning and teaching, quizzes, and simulations fun learning is a number of for example. Learning

¹² A.Wilhalminah ; Salma Samputri ; Arniati Rasyid , *Application of Discovery Learning Model for Increase Ability Think Creative Participant Educate on Material Ecology and Diversity Hayati Indonesia Class VII SMP Negeri 1 Makassar* , Journal Thinking and Development Learning , Vol 6, No 2, May- August , 2024, Page 1449

¹³ Mohd Nazri Bin Ahmad, *APPROACHES TO TEACHING AND LEARNING TAFSIR IN PONDOK BAITUL QURRA WAL FUQOHA' SUNGAI UDANG MELAKA* , Journal Maw'izah Volume 7 2024, Page 2

¹⁴ Najamuddin Pet Solong , *Husni Idrus Dynamics Tafsir Learning in Islamic Colleges* (*Analysis Development Al-Qur'an studies*) , Al - Risalah : Journal of Islamic Religious Education Vol.1: No.1, December 2022, Page 79

¹⁵ The Prophet Azizah , *IMPLEMENTATION OF AHKAM INTERPRETATION LEARNING THROUGH QUR-ANY SONG AT AL URWATUL WUTSQO ISLAMIC BOARDING SCHOOL BULUREJO DIWEK JOMBANG* , Ilmuna Vol. 1, No. 2 September, Page 18

based on game merge element match like score, level achievements, and awards. Use ingenuity artificial in application learning can increase motivation and engagement students, who can help in development system more search efficient (Putu Anggie Sinthiya, 2021). This can help in look for Topic certain or learn connection between every input. Understanding verses sacred, interpretation, and application principle in life daily is all part from the learning process. For understand and study the Koran, there is Lots sources that can used, including teachers, books, and online platforms when this. Some method Al-Quran learning included tilawah, which means know the letters of the Koran and read them with correct tajweed. Besides that, memorize Al-Quran verses are a learning process carried out in a way gradually with memorize verses of the Koran. Learning process other including understand meaning verses of the Quran with reading the interpretation, contemplating with reflect on, and relate teachings of the Quran with life daily.¹⁶

DialogFlow chatbot system use entities and keywords for user input and question lists. DialogFlow is a designed platform For develop chatbots based on Language experience human and can integrated with various sending platforms message social media such as Facebook, Line, WhatsApp, Telegram, and Google Assistant. Chatbots, also known as as virtual assistant, a computer program that can copy conversation man with order voice, text, or image. Chatbot works as replacement man For speak with people on the website and app. With use technology processing natural language (NLP), Chatbot can understand conversation and sending sentences that can understood as if speak with man.¹⁷

World 5.0 is results from revolution industry 4.0, such as internet of things, intelligence artificial

intelligence, big data, and robots, are used as tool For finish problem social and improve quality life human beings. Entering the era of revolution industry 4.0 increases access man to technology information and communication. Therefore, no surprising that There is shift from preaching conventional to digital preaching. When this, preacher can utilizing digital media to spread treatise in a way active that can seen and heard by mad'u. Previously, preacher must gather mass in a place or come to House one by. Usman said that preaching a preacher can changed in accordance with the situation, the culture, and the times. This is the era of society 5.0, which was started by Japan, where humans and technology will Work The same For increase quality life man in a way consistent. There is a possibility that message Islamic religious teachings can delivered through progress technology, as indicated by the term "smart dakwah", which means that preacher must do preaching with innovative and creative way. In other words, the preacher must do preaching in a way dynamic so that they can adapt self with progress technology moment this, which is need important for man.¹⁸

Conclusion

Draft Implementation Learning *Discovery Learning* in the era of digital technology is necessary implemented in a way look at advance although Through *Artificial Intelligence* Media only as tools for convey Interpretation material, monotonous learning give less impact both in the *Era Society 5.0 era* where technology is need daily

References

-
- ¹⁶Farihah Khalisah Nasir, Umairatul Ezzah Md Ariff Maricar, Syed Najihuddin Syed Hassan
APPLICATION OF ARTIFICIAL INTELLIGENCE (AI) IN LEARNING AL - QURAN
, Journal Islam and Contemporary Research (JOIRC) Volume: 7 Issues : 12 [June, 2024] Page 59
- ¹⁷Sindy Nova, Nurul Khotimah, Maria Y Aryati Wahyuningrum,
UTILIZATION OF CHATBOT USING NATURAL LANGUAGE PROCESSING FOR LEARNING THE BASICS OF GUI TKINTER IN PYTHON PROGRAMMING LANGUAGE, JUIT JOURNAL Vol 3 No. 1 January 2024 Page 58

- Umar Syam, Ansar, Sri Wahyuni Ramadhani, Muhajir,
IMPLEMENTATION OF DISCOVERY LEARNING MODEL TO IMPROVE LEARNING OUTCOMES OF PPKn SUBJECTS IN CLASS IPS 1 STUDENTS OF SMAN 20 PANGKEP, Volume. 1. No. 4, September 2023.

-
- ¹⁸Pratiwi Amalia Putri, Resta Tultuffia Sari Amanah Noor Pauseh,
TRANSITION OF DAKWAH IN THE ERA OF SOCIETY 5.0 BASED ON IMMERSIVE, DijITAC, Vol 3 (1), 2022, Page 3

- Yoldy Sakul, *Development Design Learning Basic Concept of Integral with Discovery Learning Model*, Journal Social Humanities Sigli (JSH), Volume 6 Number 2, December 2023.
- Suhartini, *Implementation Online Discovery Learning Method for Increase Ability Cognitive and Creativity Class V Students on Clean Air Theme For Health at SDN Sumberbendo 02 Academic Year 2021/2022*, Educatif : Journal of Education Research 3(4), 2021.
- Asyraful Khairi, Dedi Masri, Reza Pratama, Sabina Rasmita Dalimunthe, *LEARNING METHODS IN QS AN-NAHL VERSE 125 BASED ON AL-MISBAH'S TAFSIRS*, Hibrul Scholars: Journal Islamic Education and Science, Vol 5 No 2 December 2023.
- Agus Imam Kharomen, *Method Interpretation Learning in Schools Based on ' Ulum Al-Qur'an, Andragogy: Journal Training Technical Education and Religion Vol. 8, No. 2, December 2020.*
- Jani Arni, Ali Akbar, Hidayatullah Ismail, *Problematics Learning Tafsir Books at the Pondok Islamic Boarding School Riau Province*, POTENSIA: Journal Islamic Education, Vol. 6, No. 2, July – December 2020.
- Wise Praise Haryadi, Muchotob Hamzah, Vava Imam Agus Faisal, *LEARNING METHOD OF THE BOOK OF TAFSIR AL-IBRIZ IN IMPROVING THE JAVANESE LANGUAGE COMPREHENSION ABILITY OF STUDENTS AT PPTQ AL- ASY'ARIYYAH*, Journal of Mandalika Literature Vol.3, No. 1.
- Agus Imam Kharomen, *LEARNING METHODS OF INTERPRETATION IN SCHOOLS BASED ON ' ULUM AL -QUR'AN,*, Andragogy : Journal Training Technical Education and Religion, Vol. 8, No. 2, December 2020 .
- Silvia Afifatuz Zulfah et al., *Implementation Design ASSURE Model Learning Assisted by Animation Videos In Basic Hadith Al-Qur'an Lessons Material Meaning of QS AD-Duha*, DAYAH: Journal of Islamic Education Vol. 6, no. 1, 82-95, 2023.
- Amelia Putri Wulandari, Annisa Anastasia Salsabila, Karina Cahyani, Tsani Sophia Nurazizah, Zakiah Ulfiah, *The Importance of Learning Media in the Learning Process Teaching*, Journal on Education, Volume 05, No. 02, January - February 2023 .
- : Dian Tri Wahyuni, Suhandi Astuti, *Meta Analysis Effectiveness of Discovery Learning Model Learning and Inquiry into Ability Thinking Critical Students in Learning Thematic Class V Elementary School*, Journal Teacher and Learning Studies, Vol.4, No. 2, May– August 2021.
- A.Wilhalminah; Salma Samputri; Arniati Rasyid, *Application of Discovery Learning Model for Increase Ability Think Creative Participant Educate on Material Ecology and Diversity Hayati Indonesia Class VII SMP Negeri 1 Makassar*, Journal Thinking and Development Learning, Vol 6, No 2, May- August, 2024.
- Mohd Nazri Bin Ahmad, *APPROACHES TO TEACHING AND LEARNING TAFSIR IN PONDOK BAITUL QURRA WAL FUQOHA' SUNGAI UDANG MELAKA*, Journal Maw'izah Volume 7 2024.
- Najamuddin Pet Solong, *Husni Idrus Dynamics Tafsir Learning in Islamic Colleges (Analysis) Development Al-Qur'an Studies*, Al- Risalah : Journal of Islamic Religious Education Vol.1: No.1, December 2022.
- The Prophet Azizah, *IMPLEMENTATION OF AHKAM INTERPRETATION LEARNING THROUGH QUR-ANY SONGS AT AL URWATUL WUTSQO ISLAMIC BOARDING SCHOOL BULUREJO DIWEK JOMBANG*, Ilmuna Vol. 1, No. 2 September.
- Farihah Khalisah Nasir, Umairatul Ezzah Md Ariff Maricar, Syed Najihuddin Syed Hassan *APPLICATION OF ARTIFICIAL INTELLIGENCE (AI) IN LEARNING AL-QURAN*, Journal Islamic and Contemporary Research (JOIRC) Volume: 7 Issues : 12 June, 2024 .
- Sindy Nova, Nurul Khotimah, Maria Y Aryati Wahyuningrum, *UTILIZATION OF CHATBOT USING NATURAL LANGUAGE PROCESSING FOR LEARNING THE BASICS OF TKINTER GUI IN PYTHON PROGRAMMING LANGUAGE*, JUIT JOURNAL Vol 3 No. 1 January 2024.
- Pratiwi Amalia Putri, Resta Tultuffia Sari Amanah Noor Pauseh, *TRANSITION OF IMMERSIVE-BASED DAKWAH IN THE ERA OF SOCIETY 5.0*, DiJITAC, Vol 3 (1), 2022 .