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# DEEP LEARNING OPPORTUNITIES IN PROGRESSIVE ISLAMIC EDUCATION

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Abstract

Internalization of Islamic teachings must be carried out by educators to students in a deep and meaningful way. This meaningful learning process must be able to present a process that is enjoyable for students. This study aims to find a correlation between the concept of Deep Learning and its application to Islamic education materials. This research method uses Literature Review with the help of the Harzing Publish or Perish application. There are 10 articles on Deep Learning that are relevant and can be applied to Islamic religious education. The main findings of this study state that Deep Learning is very suitable for application in Islamic religious education which has heterogeneous and varied fields of study. The significance of this research is to provide additional new knowledge for academics and education practitioners, especially in the field of Islamic education, to apply deep learning in a meaningful and joyful in the learning process.

**Keywords:** Deep Learning, Islamic Education, Educational Innovation, AI Integration in Education

# 1. Introduction

Recently the term Deep Learning has gone viral in education circles. Is this deep learning something new? The answer is no. Deep learning first appeared in 1965 and was pioneered by Alexey Ivakhnenko and Viktor Lapa. These two figures gave rise to the concept of deep learning or can be called Deep Learning.

The term Deep Learning emerged which was coined by the Minister of Elementary and Secondary Education, Abdul Mu'ti, presenting the discourse of Deep Learning. This idea emerged in the midst of the development of the times that are always changing with the progress of the times. Deep Learning seeks to present an approach in the learning process that is more systematic, in-depth and comprehensive. In addition, Deep Learning comes with simpler and more practical learning content. This is intended so that students can learn and master the material in depth with a simpler learning process<sup>1</sup>



Figure 1. Deep Learning Source: <u>https://www.binar.co.id/blog/apa-itu-deep-learning</u>

The concept of Deep Learning that is currently emerging to the surface is not the same as the Deep Learning concept that is commonly used in Artificial Intelligence (AI) studies. In the scope of education, Deep Learning is a learning approach that focuses on the process of understanding concepts and mastering learning competencies in depth and is delivered with a narrower and simpler description of the material.

The purpose of implementing Deep Learning is to present a learning experience for students that is more meaningful and designed with a pleasant atmosphere for students. Students who learn with deep attention and are presented in a welcoming atmosphere will be the main pillar of achieving the learning goals that have been proclaimed. The success of Deep Learning will be greatly influenced by three core elements, including: Mindful Learning, Meaningful Learning, and Joyful Learning. These three core elements will be decisive in the success of Deep Learning applied by teachers to their students.

<sup>&</sup>lt;sup>1</sup> M R A Zayyad and A Kurniawardhani, "Penerapan Metode Deep Learning Pada Sistem Rekomendasi Film," *AUTOMATA*, 2021, https://journal.uii.ac.id/AUTOMATA/article/view/17426; S Anggeli, K A Sekarwati, and S Kom, "Implementasi Deep Learning Menggunakan Metode Convolutional Neural Network Dan Multimedia Development Life Cycle Pada Aplikasi Pengenalan Jenis," *Pengemb. Rekayasa Dan Teknol* (core.ac.uk, 2021), https://core.ac.uk/download/pdf/490608306.pdf; R Aryanto, M A Rosid, and S Busono, "Penerapan Deep Learning Untuk Pengenalan Tulisan Tangan Bahasa Aksara Lota Ende Dengan Menggunakan Metode Convolutional Neural Networks," *Jurnal Informasi Dan Teknologi*, 2023, https://www.jidt.org/jidt/article/view/313.

With the Meaningful Learning process, students can learn meaningfully from what they have learned. Then, with the Mindful Learning process, students can be actively involved in the process of developing the level of understanding and competence that they will achieve. And finally, the Joyful Learning process makes students have positive motivation and interest in learning to live the learning process happily.

The application of Deep Learning is also suitable for applying Islamic Education materials. This is because Islamic Education materials are often delivered using conventional and boring methods. For example: many Islamic Education teachers deliver their material by the lecture method. On the one hand, the application of the lecture method is suitable for material material that is aqidah. However, this lecture method will not be suitable for use in moral material, fiqh and also the history of Islamic culture.

The problem that arises in the field is that many Islamic education teachers only apply 1 learning method (lecture) in several heterogeneous areas of Islamic Education studies. On the one hand, the lecture method is suitable for use in material related to aqidah. However, the lecture method is not suitable for use in moral material, fiqh and Islamic cultural history. Educators need to choose various learning methods that vary in delivering diverse materials.

Islamic education must do many transformations in all its aspects.<sup>2</sup> The delivery of Islamic education materials with various methods is expected to be a way to apply the concept of Deep Learning in the learning process. This indicates that the concept of Deep Learning can be applied to Islamic education whose study material is very heterogeneous. Islamic education materials need to be delivered with a Deep Learning approach so that students can learn it deeply and get the meaning contained in the material.

When educators teach the practice of caring for corpses to students, it is impossible to use the lecture method when giving materials. The learning methods that are suitable for this material are simulation, demonstration or peer teaching methods. This is maximized so that the material on the management of this body can be understood in depth by students. It is also intended for students to gain a meaningful learning experience which is one of the indicators of Deep Learning success.

<sup>&</sup>lt;sup>2</sup> M S Mughni, "Desain Kurikulum Merdeka Belajar Dan Transformasi Evaluasi Pendidikan Agama Islam," Pendidikan Kebudayaan Dan Agama, 2023, https://jurnal.alimspublishing.co.id/index.php/JIPA/article/view/169; M Hasan, M Taufiq, and H Elmhemit, "Digital Transformation of Islamic Education in Pesantren Madura," Pendidikan Islam, 2023, https://ejournal.iainmadura.ac.id/index.php/tadris/article/view/10535; W Simatupang, W Wasiyem, and, "Inovasi Pendidikan Islam Pada Perkembangan Madrasah Menghadapi Tantangan Perubahan," Pendidikan, 2022, http://jurnal.stit-al-ittihadiyahlabura.ac.id/index.php/bunayya/article/view/195; A Muwafiqoh and K Ulum, "Inovasi Dan Transformasi Pendidikan Islam Melalui SKB 3 Menteri," SAP (Susunan Artikel Pendidikan. 2023, https://journal.lppmunindra.ac.id/index.php/SAP/article/view/15947; A Aziz, C A Sholehah, and P Rachman, "Dinamika Transformasi Pendidikan Agama Islam: Sinergitas Artificial Intelligence Dalam Peningkatan Pemahaman Keagamaan, :Jurnal Penelitian Pendidikan Islam, 2023, https://www.lp3mzh.id/index.php/bahtsuna/article/view/317.



Figure 2. Practice of Funeral Prayers Source: <u>https://sentralpost.co/ratusan-siswa-smp-n-2-sanga-desa-sholat-jenazah-di-sekolah/</u>

This literature-based research was taken because there is a research gap that has not found previous research between Deep Learning and Islamic education. This gap gives rise to a novelty for the world of research that learning with the Deep Learning approach is very suitable to be applied to very complex Islamic education materials.

# 2. Research Method

This study uses the Literature Review method. This literature review method is important to provide an initial foundation for further researchers with the topic of the relevance of Deep Learning to Islamic Education. The method used by researchers through the following stages: a. Identify the problem, b. Evaluation of the phenomenon that occurs, c. Interpretation of previous research relevant to the research topic, d. Finding similarities and differences between previous research and ongoing research, e. Bringing up newness/research findings related to the topic being researched

This study utilizes the Harzing Publish or Perish version 7 application in finding hundreds of relevant previous research. The researcher established the previous research range from 2020-2024. And the results were obtained from hundreds of previous studies that are relevant to the keywords: Islamic Religious Education, Deep Learning, Meaningful Learning, Mindful Learning and Joyful Learning. Each of these keywords obtained 100 relevant researches. And then the inclusion and exclusion criteria will be established in the selection of the literature that has been obtained.

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Figure 3. Harzing Publish or Perish

# 3. Finding and Discussion

The results of previous research data that are relevant in this literature review are in the form of exposure, analysis and interpretation of several articles divided into Deep Learning and Islamic Religious Education studies. These two major topics will be discussed separately and can be seen in the following tables 1 and 2:

No.	Researcher &	Journal	Research Results			
	Year of					
	Publication					
1.	Martinez et al <sup>3</sup>	IGI Global Scientific	Deep learning can be run with			
		Publishig	the concept of joyful learning			
2	Mystakidis <sup>4</sup>	MDPI, Basel, Switzerland	Deep learning, which is also			
			part of mindful learning, will			
			train students' higher order			
			thinking skills.			
3	Grange and	The Royal Society of	Meaningful learning is			
	Blackie <sup>5</sup>	Chemistry	commonly used in the learning			
			process as well as in			
			assessment			

#### Table 1. Deep Learning Research Results

<sup>&</sup>lt;sup>3</sup> M I Martinez et al., "Cultivating Rich Language Development, Deep Learning, and Joyful Classrooms for English Learners," *Handbook of Research*, 2019, https://www.igi-global.com/chapter/cultivating-rich-language-development-deep-learning-and-joyful-classrooms-for-english-learners/226005.

<sup>&</sup>lt;sup>4</sup> S Mystakidis, "Deep Meaningful Learning," *Encyclopedia* (mdpi.com, 2021), https://www.mdpi.com/2673-8392/1/3/75.

<sup>&</sup>lt;sup>5</sup> I Rootman-le Grange and M A L Blackie, "Assessing Assessment: In Pursuit of Meaningful Learning," *Chemistry Education Research*, 2018, https://pubs.rsc.org/en/content/articlehtml/2018/rp/c7rp00191f.

4	Liu <sup>6</sup>	Springer	The proposed meaningful learning method refers to the process by which new concepts can be learned by relating them to existing and understood concepts and harmoniously integrating them into a conceptual scheme					
5	Ne conditions & Demimi <sup>7</sup>	IIUM Engineering Journal	Deep learning has recently become popular due to its successful role in several Native Language Processing (NLP) tasks					
6	Mubarok et al <sup>8</sup>	Edulingua: Journal of Applied Linguistics and English Language Education	Learning models that use meaningful learning can improve learning completeness					
7	Jeet and Pant9	International Journal of Current Science Research and Review	The joyful experience leads to better understanding and engagement of learners. The intrinsic force is the joy which makes learning a joyful experience					
8	Grange and Blackie <sup>10</sup>	Journal of Leadership Education	Educational leadership must be able to create a learning environment that applies the concept of meaningful learning.					
9	Rahma and Asih <sup>11</sup>	Research and	Worksheet joyful learning					
		Development in	media can improve student					
	Source	Education (RaDEn) Harzing Publish or Perish (g	learning outcomes					
	Source: Harzing Publsih or Perish (google scholar) Table 2. Islamic Education Research Results							
No.	Researcher & Year of Publication	Journal	Research Results					

<sup>&</sup>lt;sup>6</sup> X Liu et al., "A Meaningful Learning Method for Zero-Shot Semantic Segmentation," *Science China Information* ..., 2023, https://link.springer.com/article/10.1007/s11432-022-3748-5.

<sup>&</sup>lt;sup>7</sup> (Ne conditions & Demimi, 2019)

<sup>&</sup>lt;sup>8</sup> H Mubarok et al., "Meaningful Learning Model: The Impact on Students' Reading Comprehension," *Journal of Educational* ... (academia.edu, 2022), https://www.academia.edu/download/104430279/12404.pdf.

<sup>&</sup>lt;sup>9</sup> G Jeet and S Pant, "Creating Joyful Experiences for Enhancing Meaningful Learning and Integrating 21st Century Skills," *International Journal of Current Science Research* (ijcsrr.org, 2023), https://ijcsrr.org/wp-content/uploads/2023/02/05-02-2023.pdf.

<sup>&</sup>lt;sup>10</sup> Grange and Blackie, "Assessing Assessment: In Pursuit of Meaningful Learning."

<sup>&</sup>lt;sup>11</sup> H Rahma and S S Asih, "Development of Monopoly Learning Media Based on Joyful Learning Model on Natural Sciences and Social Material," *Research and Development in Education*, 2024, https://ejournal.umm.ac.id/index.php/raden/article/view/32594.

1.	Kosim <sup>12</sup>	TADRIS: Journal of Islamic Education	Optimization of Islamic religious education in schools is carried out to face the progress of information and communication technology in the Digital Revolution Era
2	Romadanti <sup>13</sup>	GUAU: Journal of Professional Education for Islamic Religious Teachers	Islamic Education teaching has undergone significant transformation along with the progress of the times, especially in teaching methods.
3	Alfi et al <sup>14</sup>	Religion : Journal of Religion, Social, and Culture	The integration of religious principles with technology is a challenge, but also an opportunity to support broader and more effective Islamic education
4	Sunarso <sup>15</sup>	Creative Journal: Journal of Basic Education	Internalization of Islamic values and religious character is an effort to repair <sup>16</sup> students' character
5	Zakariyah et al <sup>17</sup>	At-Ta'dib: Scientific journal of Islamic Religious Education Study Program	The Islamic education curriculum wants to provide a new color without losing the initial foundation, by designing an Islamic religious education curriculum that aims to increase faith and piety to Allah SWT, as well as making students have a noble moral culture that is collaborated with the development of information technology in the 21st century.
6	Irodati <sup>18</sup>	PAI Journal: Journal of Islamic Religious Education Studies	The role of religious education for the younger generation is very important in internalizing religious spiritual values.
7	Qolbiyah <sup>19</sup>	JPION: Indonesian Journal of Educational Research	The renewal (innovation) method used when learning Islamic religious education is to use the Contextual

<sup>&</sup>lt;sup>12</sup> M Kosim, "Penguatan Pendidikan Karakter Di Era Industri 4.0: Optimalisasi Pendidikan Agama Islam Di Sekolah," *TADRIS: Jurnal Pendidikan Islam* (core.ac.uk, 2020), https://core.ac.uk/download/pdf/327687564.pdf.

<sup>&</sup>lt;sup>13</sup> L Romadanti, "Evolusi Metode Pembelajaran Pendidikan Agama Islam," *GUAU: Jurnal Pendidikan Profesi*, 2023, https://studentjournal.iaincurup.ac.id/index.php/guau/article/view/1175.

<sup>&</sup>lt;sup>14</sup> A M Alfi, A Febriasari, and J N Azka, "Transformasi Pendidikan Agama Islam Melalui Teknologi," *Religion: Jurnal Agama* ..., 2023, http://maryamsejahtera.com/index.php/Religion/article/view/249.

<sup>&</sup>lt;sup>15</sup> A Sunarso, "Revitalisasi Pendidikan Karakter Melalui Internalisasi Pendidikan Agama Islam (PAI) Dan Budaya Religius," *Jurnal Kreatif: Jurnal Kependidikan Dasar*, 2020, https://journal.unnes.ac.id/nju/index.php/kreatif/article/view/23609.

<sup>&</sup>lt;sup>16</sup> Sunarso.

<sup>&</sup>lt;sup>17</sup> Z Zakariyah, M Arif, and N Faidah, "Analisis Model Kurikulum Pendidikan Agama Islam Di Abad 21," *AGAMA ISLAM*, 2022, http://ejournal.staindirundeng.ac.id/index.php/tadib/article/view/964.

<sup>&</sup>lt;sup>18</sup> F Irodati, "Capaian Internalisasi Nilai-Nilai Religius Pada Pembelajaran Pendidikan Agama Islam," *PAI: Jurnal Kajian Pendidikan Agama Islam*, 2022, http://ejournal.iainu-kebumen.ac.id/index.php/pai/article/view/308.

<sup>&</sup>lt;sup>19</sup> A Qolbiyah, "Implementasi Kurikulum Merdeka Dalam Pembelajaran Pendidikan Agama Islam," *Jurnal Penelitian Ilmu Pendidikan Indonesia*, 2022, http://jpion.org/index.php/jpi/article/view/15.

			Teaching and Learning method or strategy (CTL)
8	Nadhiroh and Ansori <sup>20</sup>	Fitrah: Journal of Islamic Education	The application of the independent curriculum in the learning process of Islamic Religious Education focuses on the activeness of students in the hope that their critical thinking skills will develop
9	Hubbi et al <sup>21</sup>	JISIP: (Journal of Social Sciences and Education)	The learning process is quite good because the learning material taught is integrated with character values
10	Arasyiah <sup>22</sup>	Education Manager: Scientific Journal of Educational Management Graduate Programs	Islamic Religious Education teachers must have professional competence in mastering material, structure, concepts and scientific thought patterns and mastering competency standards and subject competencies.
11	Afida et al <sup>23</sup>	Falasifa: Jou <del>r</del> nal of Islamic Studies	Independent Learning is the beginning of the idea of improving the monotonous national education system, including Islamic religious education.
12	Hartati <sup>24</sup>	GUAU: Journal of Professional Education for Islamic Religious Teachers	The role of Islamic religious education in schools in forming the character of students

Source: Harzing Publsih or Perish (google scholar)

#### Discussion Meaningful Learning

The theory of meaningful learning was first proposed by David Ausubel<sup>25</sup>. This learning figure stated that an educator in the learning process is required to facilitate and

<sup>&</sup>lt;sup>20</sup> S Nadhiroh and I Anshori, "Implementasi Kurikulum Merdeka Belajar Dalam Pengembangan Kemampuan Berpikir Kritis Pada Pembelajaran Pendidikan Agama Islam," *Fitrah: Journal of Islamic* ..., 2023, https://www.jurnal.staisumatera-medan.ac.id/index.php/fitrah/article/view/292.

<sup>&</sup>lt;sup>21</sup> U Hubbi, A Ramdani, and D Setiadi, "Integrasi Pendidikan Karakter Kedalam Pembelajaran Pendidikan Agama Islam Dan Pendidikan Kewarganegaraan Di Era Milenial," ... Dan Pendidikan), 2020, https://ejournal.mandalanursa.org/index.php/JISIP/article/view/1201.

<sup>&</sup>lt;sup>22</sup> A Arasyiah, "Kompetensi Profesional Guru Pendidikan Agama Islam," ...: Jurnal Ilmiah Manajemen Pendidikan Program ..., 2020, https://ejournal.unib.ac.id/manajerpendidikan/article/view/11375.

<sup>&</sup>lt;sup>23</sup> I Afida, E Diana, and DMQA Puspita, "Merdeka Belajar Dan Pendidikan Kritis Paulo Friere Dalam Pembelajaran Pendidikan Agama Islam," *FALASIFA: Jurnal Studi* ... (risbang.unuja.ac.id, 2021), http://risbang.unuja.ac.id/media/arsip/berkas\_penelitian/212\_XdaCVBX.pdf.

<sup>&</sup>lt;sup>24</sup> Y Hartati, "Pembentukan Karakter Melalui Pendidikan Agama Islam," ... Pendidikan Profesi Guru Agama Islam, 2021, https://studentjournal.iaincurup.ac.id/index.php/guau/article/view/69.

<sup>&</sup>lt;sup>25</sup> H Muamanah, "Pelaksanaan Teori Belajar Bermakna David Ausubel Dalam Pembelajaran Pendidikan Agama Islam," Belajea: Jurnal Pendidikan Pendidikan Islam, 2020, http://journal.iaincurup.ac.id/index.php/belajea/article/view/1329; M Parhan and B Sutedja, "Penerapan Pendekatan Pembelajaran Kontekstual Dalam Pendidikan Agama Islam Di Universitas Pendidikan Indonesia,"

help his students to associate the new theory to be learned with the subject matter that has been obtained previously. The learning process with the Meaningful Learning approach has the goal of making all learning processes that students will undergo into a learning experience full of meaning.

Meaningful learning experiences for students are the hallmark of Meaningful Learning. Students will be given a fun learning experience and learning is designed so that students are enthusiastic about the learning process. Of course, educators must appear pleasant for students, both in terms of appearance and fun teaching methods. This indicates that educators are not only limited to delivering material and spending material according to the time allocation arranged. However, educators are asked to design learning that is meaningful, fun and can stimulate students' interest in learning in the lesson.

Educators play an important role in the success of learning in the classroom. An educator is asked to be totality in preparing the learning that will be given to his students. Steps that must be prepared by educators in the Meaningful Learning process include: a. Design learning in an engaging and fun way, b. Choosing a learning model that is relevant to the teaching material, c. Choose a learning method that is fun and can make students actively learn, d. Using digital-based learning media, for example: animaker, powtoon, wizer, padlet, educandy, wordwall and renderforest, e. Preparing ice breaking to relieve boredom in learning, f. Choosing the right and innovative teaching materials, g. Preparing digital-based learning assessments, for example: kahoot, mentimeter and quizizz

Some of the things above need to be prepared well by teachers because in essence teaching is an art. This is important to be noted by all educators who will enter the world of education. The art of teaching can be done by educators who truly love their profession. If educators can present Meaningful Learning in their learning process, then learning goals will be easily achieved.

The objectives of implementing meaningful learning include: a. Students understand what they are learning, b. Students get meaningful learning experiences, c. Students can learn happily and happily, d. Students get new knowledge that can be used as a source of inspiration for themselves and e. Students can map out the follow-up that will be carried out after undergoing the meaningful and enjoyable learning experience **Mindful Learning** 

The theory of mindful learning conveys that educators must be able to awaken, trigger and activate students' critical thinking skills. Educators are asked to present learning by stimulating students' brains by presenting real/contextual events to be discussed together in order to find solutions to solve problems creatively and collaboratively.

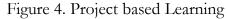
Mindful learning emphasizes the formation of students' thinking to continue to hone their academic abilities. In addition, mindful learning also trains students' critical power and sharpens their analytical skills<sup>26</sup>. Mindful learning also accustomates students to solve the problems they face from the learning experience obtained. Educators can

TARBAWY:IndonesianJournalofIslamic...,2019,https://ejournal.upi.edu/index.php/tarbawy/article/view/20165.

<sup>&</sup>lt;sup>26</sup> Y Yeh, "Mindful Learning: A Mediator of Mastery Experience during Digital Creativity Game-Based Learning among Elementary School Students," *Computers and Education* 132 (2019): 63–75, https://doi.org/10.1016/j.compedu.2019.01.001.

use discovery learning, inquiry, problem-based learning, and project-based learning models.





Source: https://web.greenninja.org/blog/project-based-learning-teacher-guide

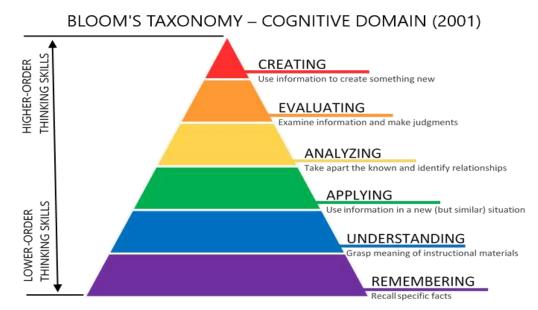
Some of the activities that will be carried out by students who are included in the realm of mindful learning, include:

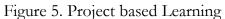
- a. Students understand the material to be studied
- b. Students understand the purpose of learning the material
- c. Students understand how to master the material
- d. Students know the indicators of success in achieving the material they are learning
- e. Students can draw conclusions from what they have learned
- f. Students learn how to increase their knowledge of the material they have learned

Mindful learning trains students to think with the concept of HOTS (Higher Order Thinking Skill). In Bloom's theory it is stated that:

- a. C-1 Knowing
- b. C2 Understanding
- c. C-3 Apply
- d. C-4 Analyze
- e. C-5 Evaluate
- f. C-6 Creating

The realm of C1-C3 is included in the ability to think LOTS (Lower Order Thinking Skills). Meanwhile, the C4-C6 realm is included in the HOTS (Higher Order Thinking Skills) ability. From this explanation, it illustrates that Mindful learning exists in the realm of C4-C6 which is included in the ability to think at a higher level. This is important to be trained and habituated to students so that they are ready to face all kinds of problems quickly find the right solution to overcome them.





Source: <u>https://citt.ufl.edu/resources/the-learning-process/designing-the-learning-experience/blooms-taxonomy/blooms-taxonomy-graphic-description/</u>

# Joyful Learning

The theory of joyful learning states that educators must be able to create a positive and fun learning atmosphere for students. A creative, innovative and fun learning atmosphere can certainly make students comfortable to learn in class. If students are comfortable with their learning environment, then this can have a positive impact on students' interest in learning. The enthusiasm of students in learning is greatly influenced by the learning conditions that they attend. Joyful learning can make learning more lively and full of happiness<sup>27</sup>

Some of the things that educators can do to support the concept of joyful learning, include:

- a. Teachers can prepare ice breaking to burn students' enthusiasm at the beginning of learning
- b. Teachers prepare digital ice breaking based on kahoot, quizizz and mentimeter at the end of learning
- c. Teachers prepare learning models that can stimulate students' interest in learning, such as: discovery learning, problem-based learning, and project-based learning.
- d. Teachers prepare interactive and innovative learning methods based on student activity, such as: focus group discussion, debate, jigsaw field trip and others.

<sup>&</sup>lt;sup>27</sup> A Hanani, "Pengaruh Model Pembelajaran Joyful Learning Terhadap Minat Belajar Siswa Di MTsN 3 Surabava," Jurnal Mahasiswa: Jurnal Ilmiah Penalaran Dan 2023, https://ejurnal.provisi.ac.id/index.php/jurnalmahasiswa/article/view/803; I Ismanto, Pendidikan Seni Berbasis Metode Joyful Learning Dan ICT (Information and Communication Technology) Di Sekolah Alam Insan Mulia Surabaya (eprints.umsida.ac.id, 2017), http://eprints.umsida.ac.id/497/; A U MANALU, "PENGARUH MODEL PROBLEM BASED LEARNING TERINTEGRASI JOYFUL LEARNING TERHADAP HASIL BELAJAR SISWA MATERI **KELAS** ...," PADA ELASTISITAS Garuda.Kemdikbud.Go.Id, n.d., https://garuda.kemdikbud.go.id/documents/detail/1600150.

- e. Teachers prepare digital-based teaching media, for example: wordwall, padlet, animaker, renderforest, powtoon, wizer and educandy
- f. Teachers provide enrichment rubrics that are attractively packaged to control students' learning achievement at home
- g. Teachers establish interactive communication with students' parents



Figure 6. Joyful Learning with Educandy Paltform

Joyful learning can be carried out by all educators from early childhood education to higher education. Educators can provide learning materials with the help of the Educandy digital platform as shown in figure 4 above. In addition to providing gamebased materials, educators can also conduct digital assessments with the educandy platform which is packaged in the form of crossword games, match ups and others. This is important for all educators to bring joy in the classroom that they empathize with to learn.

# Deep Learning-based Islamic Education

Islamic education has a great responsibility in the process of forming students' character, behavior and morals. The task of Islamic education is not only limited to teaching religious teachings, but also has the task of introducing, teaching, habituating and developing good ethical and akhlak values in students.

Islamic education is a human effort to introduce, educate, habituate and apply Islamic teachings correctly. Islamic education also aims to make human beings have strong faith, commendable morals and devotion to Allah swt that never stops. Islamic education is also a process of internalization and transformation of all forms of teachings and values of goodness in Islam in students. This aims to provide strong faith guidelines for the soul and body of students.

According to <sup>28</sup> explained that Islamic education is currently facing the flow of globalization that presents opportunities and threats. Globalization with all advances in information technology provides opportunities for Islamic educators to be accessed easily and quickly. In addition, efforts to internalize Islamic teachings in students can be

<sup>&</sup>lt;sup>28</sup> Zubaedi, Isu-Isu Baru Dalam Diskursus Filsafat Pendidikan Islam Dan Kapita Selekta Pendidikan Islam, Cet. I (Yogyakarta: Pustaka Pelajar, 2012).

carried out quickly, massively and in a structured manner. On the contrary, the progress of the times can be a threat to Islamic education. This is based on the fact that with the advancement of information technology, it is easier for humans to access anything without limits and no one has control over this threat.

With this great responsibility, educators involved in the scope of Islamic education must really design Islamic religious learning well. This is for the realization of the learning goals of Islamic education which wants to teach religious teachings, introduce and habituate commendable morals, understand and apply fiqh studies correctly and so on. This heterogeneous and complex Islamic education material can be conveyed and deeply absorbed by students if they apply the concept of Deep Learning.

#### 4. Conclusion

Potential future research could measure the success of deep learning in the Islamic education learning process. Deep Learning is very suitable for Islamic religious education which has heterogeneous and varied fields of study. Deep learning with 3 supporting concepts in it, including: Meaningful Learning, Mindful Learning and Joyful Learning is very relevant if used in various kinds of Islamic religious education materials that require in-depth and meaningful study in each part of it. This aims to ensure that the internationalization of Islamic values can be understood correctly and practiced appropriately by students

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