

# Islamic Family Law in the Development of Household Assistant Robot Technology in the Era of Society 5.0

Rissa Afni Martinouva<sup>1</sup>; Nunung Rodliyah<sup>2</sup>; Sunaryo<sup>2</sup>; Kasmawati<sup>2</sup>; Triono<sup>3</sup>

<sup>1</sup>Universitas Malahayati, Indonesia

<sup>2</sup> Universitas Lampung, Indonesia

<sup>3</sup> Universitas Megou Pak Tulang Bawang, Indonesia

http://dx.doi.org/10.18415/ijmmu.v11i2.5394

## Abstract

Technology in the era of society 5.0 has gradually been applied to life, especially in the small sphere, namely the family. The application varies, starting from means of transportation, communication tools, supporting tools for public facilities and family facilities. Islam regulates the position of the family, namely the head of the family, one of which is to choose the technology used. The technology used in the family must be returned to the main purpose. The main purpose of forming an Islamic family is worship in forming a child's personality accompanied by love. This legal research uses a normative method that relies on library data, statutory rules and Islamic law rules. Empirical research is obtained from the amount of comparative information in dealing with the era of society 5.0. This research will describe some of the developments in household assistant robot technology in the era of society 5.0 for Islamic families and the legal consequences of technological developments in the era of society 5.0. The results of the study show that there are already several household assistant robotic technology tools that provide convenience for household chores. This also resulted in no longer needing human resources as household assistants, reducing the sense of responsibility and reducing the mutual concern of fellow family members towards the house. The legal consequences of technological developments towards the era of society 5.0. there are several families where the use of this technology is not accompanied by a good understanding of Islam, it will be difficult to pay attention to each other as social interaction in an Islamic family is very much needed, especially for children. Another legal consequence is that there will be adjustments to insurance law and consumer protection law as a companion to technological developments in the era of society 5.0 in the Islamic family, verses of the Koran and Hadith.

Keywords: Technology; Family; Islam; Facilities

## Introduction

Increasingly advanced technology provides its own advantages for some people who are able to control it. Technology developing in the era of society 5.0 from an Islamic perspective can actually be a threat if you cannot control it. Various information enters through technology. The information obtained

provides new ideas for families to be able to use this information, both tools and how to use objects. The benefits gained from increasing technology will help simplify and speed up the work of Islamic families.

Previously, we will first explain the definition of what is meant by the era of society 5.0. Society 5.0 is a society that can facilitate various social challenges and problems by utilizing various creations that were born in the era of the industrial revolution 4.0 such as Internet on Things (internet for everything), Artificial Intelligence (artificial intelligence), Big Data (large amounts of data), and robots in improving human quality. The concept of industrial revolution 5.0 is a concept that fundamentally changes the way we live, work and relate to one another. Industrial Revolution 5.0 is not new because it is a refinement of Industrial Revolution 4.0.<sup>1</sup>

In fact, there is a lot of help from robots, starting from parking the vehicle by simply pressing a button, a parking card will come out and the door latch will open with the help of a camera. Sophisticated sensor tools that work. Recently, there are also sensor devices. When you want to park, just move your hand in front of the sensor to avoid direct contact with the device. This is enough to create smoothness and acceleration when parking. Recently, a new term has emerged which is the vision of the Japanese government, related to Society 5.0, a breakthrough that explains changes in people's lives with the development of the industrial revolution 4.0. The concept we want is how there can be a revolution in society that utilizes technology while also considering human and humanities aspects. This society, which is called a super smart society, uses technology to make life easier, so that various future services emerge to accommodate these needs. Several job sectors and needs are starting to enter digitalization which utilizes Artificial Intelligence, Big Data, and the Internet of Things. This is a challenge for information technology services so that this need can be met immediately by utilizing high-level technology.<sup>2</sup>

Society 5.0 is a concept initiated by the Japanese government by considering technological aspects to make human life easier. The idea is to consider humanities aspects to obtain a concept of balance in the implementation of this technology. The goal of achieving a community that is defined as a super smart society, requires various future services in various sectors. This can be fulfilled with increasingly sophisticated technological capabilities, as well as the presence of competent human resources in their respective fields to carry out their profession digitally while contributing to providing better services to society.<sup>3</sup>

Islamic family law will be present as a guardian of the activities carried out by the revolutionary changes in society 5.0. Thus, rapid technological progress must be accompanied by a broad understanding of Islamic family law. Sophisticated knowledge and earning money for family life can now be done via smart phone. Smart phones will help to connect robots as household assistants. Facilities are provided through social media in the form of Facebook, Instagram, TikTok and YouTube, as transmitters of information on technological developments.<sup>4</sup>

This description provides motivation for the author to analyze several developments in household assistant robot technology in the era of society 5.0 on Islamic families and the legal consequences of technological developments in the era of society 5.0. This legal research uses normative methods, namely relying on library data, statutory regulations and Islamic legal rules. Empirical research was obtained from a lot of direct information through statements from families and academics regarding the use of household assistant robots in the era of society 5.0.

<sup>&</sup>lt;sup>1</sup> Nora Deselia Saragih, "Menyiapkan Pendidikan Dalam Pembelajaran di Era Society 5.0" (Seminar Nasional 2022-NBM Arts, 2022).

<sup>&</sup>lt;sup>2</sup> Asep Sunarko, "Iptek Dalam Perspektif Al-Qur'an," Manarul Qur'an: Jurnal Ilmiah Studi Islam 15, no. 1 (2015): 1–14.

<sup>&</sup>lt;sup>3</sup> Indar Sabri, "Peran pendidikan seni di era society 5.0 untuk revolusi Industri 4.0," vol. 2, 2019, 342–47.

<sup>&</sup>lt;sup>4</sup> Fajri Romadhon dan Anggun Sinta Bella, "HUKUM KELUARGA ISLAM MENSIKAPI REVOLUSI INDUSTRI 4.0," NUSANTARA: Jurnal Ilmu Pengetahuan Sosial 10, no. 5 (2023): 2223–39.

#### Discussion

# **1.** Development of Household Assistant Robot Technology in the Era of Society 5.0 for Islamic Families

Industrial Revolution 5.0 is a concept that is still in the alignment stage. Industrial Revolution 5.0 generally refers to technological developments that continue to increase automation and digitalization in industry and the production sector. The concept of combining technology and humans, as well as the need to develop systems that are more adaptive and responsive to changes in the production environment.

The Industrial Revolution 5.0 began when industry 4.0 had reached its peak and experts believe that the 4.0 era can be perfected again. Industry 4.0, which was introduced in 2011, is intended to modernize business processes, especially in the manufacturing industry. This era also introduced many technologies that many industry players are still adapting to, such as AI and IoT to make their work easier. Then in 2017, Japan was the first to introduce the vision of Industrial Revolution 5.0. At that time, they called this concept Society 5.0 at the CeBIT exhibition in Germany. While industry 4.0 echoes the discourse that AI will replace humans, industry 5.0 does not think so.<sup>5</sup>

The perceived benefits of Industry 5.0 are predicted to be more than just increasing productivity and reducing costs. When an automation process can reduce time from repetitive work, employees can focus on strategic work, thereby creating a job with high skill requirements. Here are some other benefits: <sup>6</sup>

- 1. Increased efficiency and productivity;
- 2. Improved product and service quality;
- 3. Increased production flexibility;
- 4. Increasing work safety, namely reducing the risk of accidents and injuries in the workplace;
- 5. Increased sustainability;
- 6. Increased competitiveness;
- 7. Improved quality of life.

Examples of other differences are as follows: Industry 4.0 focuses on how to automate work, while Industry 5.0 focuses on how to optimize working hours to complete work. Industry 4.0 focuses on the effectiveness of automation of machines and technology, while Industry 5.0 focuses on how to optimize one's knowledge with the help of AI. Industry 4.0 focuses on computerized systems, while Industry 5.0 focuses on how to speed up work with the help of machines for human sustainability and welfare.

As mentioned above, the fundamental difference between industry 4.0 and 5.0 is a shift in focus from focusing on economic value to focusing on sustainability and prosperity. With the ease of work, it is possible for a family to be harmonious. The ease with which work can be obtained through surveillance camera robots which are able to provide security at home is proof that the revolution in the era of society 5.0 has begun. The robot in this research discussion focuses on its use in the household.

This home assistant robot some resembles a human that runs on artificial intelligence to make all the work at home easier. This type of robot can do security cleaning at home. Here are 8 home assistant robots that can make your life:

1. Ubtech Lynx robot, this robot can provide information related to weather reports, play favorite music, and make a list of tasks you want to do by giving reminders;

<sup>&</sup>lt;sup>5</sup> Nur Kumala Dewi dkk., "Konsep Robot Penjaga Toko Di Kombinasikan Dengan Pengendalian Virtual Reality (VR) Jarak Jauh," *IKRA-ITH Informatika: Jurnal Komputer dan Informatika* 5, no. 1 (2021): 33–38.

<sup>&</sup>lt;sup>6</sup> Muhamad Ngafifi, "Kemajuan teknologi dan pola hidup manusia dalam perspektif sosial budaya," *Jurnal Pembangunan Pendidikan: Fondasi dan Aplikasi* 2, no. 1 (2014).

Islamic Family Law in the Development of Household Assistant Robot Technology in the Era of Society 5.0

- 2. Asus Zenbo Robot, this robot can control household devices and can act as a security system when you are not at home;
- 3.Roomba Robot By IRobot, this robot will automatically clean all dirty rooms that require extra attention;
- 4. Alfawise Magnetic Robot, this robot has a very strong suction feature and is guaranteed not to fall when cleaning windows. This Alfawise robot works like a vacuum cleaner ready to clean your house. What this robot can do is clean dirty windows, floors and gaps;
- 5. Worx Landroid Robot, this robot is designed to cut the grass in your yard every day. Using this WorxLandroid robot, grass cutting activities will be carried out easily;
- 6.Dolphin Nautilus Robot, with this robot you no longer need to drain the swimming pool which takes quite a long time. This robot is capable of sucking up dust and is a quite sophisticated cleaning tool. This robot's capabilities are usually used to clean swimming pools. Apart from that, this robot also has a GPS feature which can be used to ensure that the entire pool has been cleaned.
- 7.Budgee Robot By 5 Elements Robotic, this robot will follow people who are traveling around the house, supermarket, it can even be used at the airport, by using this robot, all shopping items can be carried easily;
- 8. Robot Aido By Ingen Dynamic, this robot can also help accompany children when playing. Actually, this robot is not yet for sale, but by the end of the year it will be ready to be marketed. The Aido robot is a household assistant robot that is very family friendly. This robot can help with household chores easily, handle schedules, and can accompany children to play.

It cannot be denied that modern tools are like knives, they have positive and negative sides depending on their use. Islam, in essence, does not prohibit technological development and progress because its original law is permissible. However, it must be realized that demons from the jinn and humans will not remain silent. They (the devils) try to use these technological tools to prey on victims to destroy their faith and morals. Allah has described technology in the Qur'an, technology for our predecessors (God's messengers). Allah describes this for us to use as learning material and motivation in mastering various branches of knowledge. God's words relating to technology include in Surah al-Anbiya 80-81: which means "and We have taught David to make armor for you, to protect you in your wars; So you should be grateful (to Allah). and (We have subjected) to Solomon a very strong wind blowing which blew at his command into the land which We had blessed him with. and it is We who know all things." In this verse it is stated that the Prophet David (AS) was told by Allah SWT about making protective clothing that could be used in battle. From the lessons that God conveyed to the Prophet David, we can see the development of making armor specifically designed for soldiers in the wars they faced, whether in the form of iron hats, bulletproof vests and so on. In these provisions, humans must be able to always carry out all work thanks to the permission, presence and convenience of Allah SWT. Another advantage is that completing work with robots can be completed remotely via virtual reality.

As explained in the explanation regarding virtual reality, it has been developed since 1960, this concept continues to evolve until now, initially starting from headsets. At first it was in the form of eyewear models and then until now it has continued to develop, initially virtual reality was mostly used for playing games, then after that it was developed for more sophisticated tools, for example meetings or the use of robots. Robots can be used to move remotely. In the future, virtual reality will be developed very much due to technological developments related to technology. Virtual reality will continue to be developed by connecting to the Internet or Internet of Thought (IoT) so everything can be done remotely.

Communities that are unable to master technology will experience cultural lag and their existence will be threatened. Technological progress is like two sides of a coin, where on the one hand technological progress provides many positive benefits for humans to make it easier for humans to fulfill their daily needs. However, on the other hand, technological progress causes complex negative effects that exceed the benefits of technology itself, especially regarding human lifestyles in the socio-cultural dimension.

Technology threatens death through various diseases, environmental damage, global warming. Technology creates tension, poses various risks, shackles humans through hidden control systems, and dehumanization. One thing we need to remember, technology always has two faces, at one time it can be a friend, at another time, it can also be an enemy. Efforts that we can make as a solution to overcome the negative impacts of technological progress are to instill awareness in every individual about the importance of understanding the negative impacts of technological progress. Nor is it the pinnacle of human culture and civilization in its evolution to achieve the perfection of existence. However, technology is a tool that humans use to make it easier to do things in their life activities.<sup>7</sup>

There needs to be an understanding regarding Islamic law as a guard so that we do not stray from the lines of religious rules when using increasingly sophisticated technological media. Technological tools can really help solve problems, especially towards the era of society 5.0. a tool was created and began to be offered and introduced both directly and online via social media. For example, a tool for sweeping a room without using human power, has a dirt sensor that is smart at cleaning. A household assistant robot that has the ability to help with household chores easily, handle your schedule, and even accompany your children to play. The entry into the era of society 5.0 has had both good and bad impacts. The use of this technology must be accompanied by knowledge and placement of basic concepts of Islamic law.<sup>8</sup>

The results of the research show that there are already several household assistant robot technology devices that are being sold and will be marketed as a manifestation of the introduction of technological developments in the era of society 5.0 for Islamic families. This household assistant robot technology makes household work easier. This also results in no longer needing human resources as household assistants, reducing the sense of responsibility and reducing the mutual attention of family members towards the house. An interesting discussion at this point is that there are robots that will be created to become household assistants and children's playmates. This will be a contradiction to parents and Islamic law.

#### 2. Consequences of Islamic Family Law from Technological Developments in the Era of Society 5.0.

Responding to increasingly advanced technology requires a strong understanding of religion to the fullest. An example of a negative influence would be the influx of bad and good information. Good information will provide benefits to those who enjoy it. An example of treatment without religious accompaniment is when seeking profits from technology. The following are some of the negative impacts of information and communication technology: a. Individuals become lazy about socializing physically b. Increased fraud and cyber crime c. Cyber Bullying d. Negative content that is growing rapidly e. Slander and also widespread defamation f. Keep those close away g. Ignoring duties and work h. Wasting time on useless things i. Decreased learning achievement and also a person's ability to work.<sup>9</sup>

Islam also teaches what good etiquette is for a wife towards her husband or vice versa. In the Qur'an QS. An-Nisa{4}:34 is also explained which means: "So a pious woman is one who obeys Allah and takes care of herself when her husband is not around, because Allah has taken care of (them)."

The influence on Islamic families is being able to respond to changes due to technological developments in the era of society 5.0. Human, technological and digital collaboration has been present in all aspects. Families who come to shopping places, hotels and other facilities are now being helped by robots. Through robots getting the job done. Families who can afford to buy it and want to know how to use it will immediately order to have this facility at home. For example, in the form of robots that have

<sup>&</sup>lt;sup>7</sup> Nur Rofiq dkk., "Perspektif Hukum Keluarga Islam Mensikapi Dampak Revolusi Indusri 4.0," *Iqtisad: Reconstruction of Justice and Welfare for Indonesia* 10, no. 1 (2023): 71–92.

<sup>&</sup>lt;sup>8</sup> Muhamad Bayu Firmansyah, "Konvergensi Hukum Robot Dalam Sistem Hukum Nasional Indonesia Pada Masyarakat 5.0," 2021.

<sup>&</sup>lt;sup>9</sup> Lydia Harlina Martono dan Satya Joewana, "Pencegahan dan penanggulangan penyalahgunaan narkoba berbasis sekolah," Jakarta: Balai Pustaka, 2006.

Islamic Family Law in the Development of Household Assistant Robot Technology in the Era of Society 5.0

begun to be directed to collaborate and come into direct contact with humans, for example vacuum and trash cleaners can replace floor sweepers.<sup>10</sup>

The discussion on legal consequences in this paper focuses on the Islamic family. Almost all decisions (95.4%) of millennials also believe that marriage can increase their devotion to God Almighty. Based on religion, a marriage will be blessed by Allah SWT and the journey in married life will be blessed. The role of religion can also lead humans to goodness and keep them away from all damage and can increase faith and devotion to Allah SWT. In the innovation era of society 5.0, there is a plan for the Aido By Ingen Dynamic Robot, this robot can also help accompany children when playing. Actually, this robot is not yet for sale, but by the end of the year it will be ready to be marketed. The Aido robot is a household assistant robot that is very family friendly. This robot can help with household chores easily, handle schedules, and can accompany children to play.

Children who will be prepared to become the best generation in the future in terms of character, morals, faith, piety are intended for religion and the state. However, if children have to be accompanied by robots from an early age, they will not be able to form individuals who can get used to socializing with humans in the future. QS. Al-Ahzab Verse 21. Among the verses of the Koran regarding children's education are found in QS. Al-Ahzab verse 21. In this verse, it is explained that one way or method that can be used to educate children is by setting an example, not using robots.<sup>11</sup>

In human life, morals are an important factor in achieving happiness, especially in the family, because they give birth to pleasant behavior, soothe the soul and establish good relationships with God and humans. Morals in the family are the actualization of an attitude of love packaged in a form of communication between family members, so that harmonious relationships are realized.<sup>12</sup> Children with both parents, or vice versa, husband and wife who love and respect each other. Being filial to parents is a child's obligation to show commendable morals or behavior towards his parents in everyday life. Several ways can be done to show respect for both parents. such as greeting them politely, speaking politely, not saying inappropriate words, especially if both of them are elderly, when we travel, say goodbye if we live in the same house, give news about our situation and ask about their situation through other means.

Among the verses of the Koran about children's education are in QS. Al-Ahzab verse 21. In this verse, it is explained that one way or method that can be used to educate children is by setting an example. Like the previous people, Rasulullah Ṣallallāhu 'Alaihi Wa Sallam educated and mentored his friends through example.

Allah SWT says:

## لَقَدْ كَانَ لَكُمْ فِي رَسُولِ اللَّهِ أُسْنَوَةٌ حَسَنَةٌ

Meaning: "Indeed, there is in the Messenger of Allah a good role model." (QS. Al-Ahzab [33]: 21)

The next verse in the Koran about children's education is in QS. Rum verse 30. In this verse it is explained that one method of educating children is to instill habits that are in accordance with Islamic law. Habits that are instilled in children from an early age will be carried over until the child grows into an adult. So getting used to these good things is important to do.

<sup>&</sup>lt;sup>10</sup> Dina Tri Utari dan Zahra Maharani Putri Sumarna, "Robot Cerdas Masa Depan dalam Perspektif Islam," Bunga Rampai Sains, Teknologi, dan Statistika Dalam Islam, t.t., 111.

<sup>&</sup>lt;sup>11</sup> Inggar Saputra, "Penguatan Moderasi Beragama dan Pancasila dalam Menghadapi Era Society 5.0," 2021, 41.

<sup>&</sup>lt;sup>12</sup> Wiji Nurasih, "SOCIAL HUMANOID ROBOT DAN PENGEMBANGAN KARAKTER SOSIAL QURANI MANUSIA," Jurnal Ilmiah Mahasiswa Raushan Fikr 8, no. 2 (2019): 217–34.

<sup>&</sup>lt;sup>13</sup> Sulaiman bin Sabikan, Hazlami Fikri bin Basri, dan Mohd Fadhli bin Abd Rashid, "Pembangunan Teknologi Android-robot Dari Perspektif Islam," t.t.

Islamic Family Law in the Development of Household Assistant Robot Technology in the Era of Society 5.0

#### Allah SWT says:

# فَأَقِمْ وَجْهَكَ لِلدِّين حَنِيفًا فِطْرَتَ اللَّهِ الَّتِي فَطَرَ النَّاسَ عَلَيْهَا لَا تَبْدِيلَ لِخُلْق اللّهِ ذَلِكَ الدِّينُ الْقَيَمُ وَلَكِنَّ أَكْثَرَ النَّاسِ لَا يَعْلَمُونَ

Meaning: "So turn your face straight towards the religion of Allah. Stick to the nature of Allah who has created humans according to that nature. There is no change in the nature of Allah. That is the straight religion, but most people do not know." (QS. Rum [30]: 30)

The next proposition is related to the Koranic verse about children's education, found in QS. Luqman verse 13. In this verse it is explained that one method that can be used to educate children is through advice. As was done by Luqman, who gave advice to his son to always trust Allah and never associate partners with Him. Allah SWT says:

# وَإِذْ قَالَ لُقْمَانُ لِإِبْذِهِ وَهُوَ يَعِظُهُ يَابُنَىَ لَا تُشْرِكْ بِاللَّهِ إِنَّ الشِّرْكَ لَظُلْمٌ عَظِيمٌ

Meaning: "And remember when Luqman said to his son, when he gave him a lesson, 'O my son! "Do not associate partners with Allah, in fact to associate partners with Allah is truly great injustice." (QS. Luqman [31]: 13)

The next verse from the Koran about children's education is found in QS. Luqman verse 14. In this verse it is explained that a child is obliged to serve his parents. So, educating children to always be filial to their parents from an early age is something that really must be done. So that children get used to being filial to both of them when they grow up. Allah SWT says:

# وَوَصَّيْنَا الْإِنْسَانَ بِوَالِدَيْهِ حَمَلَتْهُ أُمَّهُ وَهْنَا عَلَى وَهْنِ وَفِصَالُهُ فِي عَامَيْن أَن اشْكُرْ لِي وَلِوَالِدَيْكَ إِلَىَّ الْمَصِيرُ

Meaning: "And We commanded humans to do good to their parents. His mother had conceived him in a state of increasing weakness, and weaned him at the age of two years. Be grateful to Me and to your parents. Only to Me will your return be." (QS. Luqman [31]: 14)

Furthermore, regarding verses from the Koran about children's education, we can also find them in QS. Luqman verse 16. This verse explains that all forms of action, even as heavy as a mustard seed, will be rewarded. This needs to be instilled in children from an early age, so that children get used to doing good deeds and avoid bad deeds. Allah SWT says:

يَابُنَيَّ إِنَّهَا إِنْ تَكُ مِثْقَالَ حَبَّةٍ مِنْ خَرْدَلٍ فَتَكُنْ فِي صَخْرَةٍ أَوْ فِي السَّمَاوَاتِ أَوْ فِي الأَرْضِ يَأْتِ بِهَا اللهُ إِنَّ اللَّهَ لَطِيفٌ خَبِيرٌ

Meaning: "Luqman said, 'O my son! Indeed, if something is as heavy as a mustard seed and is embedded in a stone in the sky or on earth, Allah will surely reward it. Indeed, Allah is Most Subtle and Most Accurate." (QS. Luqman [31]: 16)

The next verse from the Koran about children's education is QS. Luqman verse 17. This verse explains how Luqman taught his children to always pray and do good deeds and prevent evil. Allah SWT says:

ابُنَيَّ أَقِمِ الصَّلَاةَ وَأَمُرُ بِالْمَعْرُوفِ وَانْهَ عَنِ الْمُنْكَرِ وَاصْبِرْ عَلَى مَا أَصَابَكَ إِنَّ ذَلِكَ مِنْ عَزْمِ الْأُمُورِ

Meaning: "O my son! Perform prayers and command people to do what is right and prevent them from doing evil and be patient with what happens to you. Indeed, this is an important matter." (QS. Luqman [31]: 17)

In Role Accrualization, it is explained that parents, as figures in the household, must actualize their roles well for their children. So that children feel how influential the role of parents is, this is what encourages children to respect and serve their parents according to Islamic teachings. Children will always use their parents as a benchmark for behavior. When parents have carried out their role actualization well, children will not lose their role models. Parents are tasked with arranging appropriate strategies in order to help the child's personal formation process. In this case, parents must have a broad

knowledge base and sufficient basic religious knowledge to avoid strategic mistakes in educating children.<sup>14</sup>

Moral and religious abilities and development in children, namely the child's ability to behave and act. Islam teaches many positive values that are useful in a child's future social life. Therefore, it is very necessary to instill and develop moral and religious education. Islam discusses a lot about cultivating moral and religious education that can be applied appropriately. Respect your children and pay attention to their education'. Because children are a gift from Allah (HR Ibnu Majah).

Every condition cannot be addressed with the same attitude. Likewise, children's behavior needs to be addressed. Is this behavior considered very bad behavior or not? Is the child aware that this behavior can bring sin and danger or not? What is clear is that there is a hadith of the Prophet that can overcome this kind of problem: "Gentleness is an ornament for many things. If he is lost, many things will be bad." (HR. Muslim, 2594, from Aisyiyah r.a with sanad marfu'). Every child's mental condition is not the same. Among them there are those who are quite directed with eye language. Some are quite directed at changing expressions. There are those who must be given advice using soft words, and there are also those who are directed with blows, but it is not as painful as being hit on the calf if the child does not want to pray when he is ten years old, this is more aimed at educating the child so that he/she can continue to be steadfast carry out obligations.<sup>15</sup>

Ideally, parents are active and caring in stimulating religious and moral education. Moral and religious education for children in the era of society 5.0 is a vehicle for realizing better and more religious personalities for children and the nation. The role and example of parents, especially mothers, in society 5.0 includes preventing children from pornography, drugs, free relationships and the dangers of gadgets.<sup>16</sup> In relation to advanced technology, it is a good idea for parents to increase their knowledge regarding the use of technology, direct them in using digital devices and media strictly, and set limits and time management in using digital devices with real-world interactions. Parents can also choose positive programs/applications that can have a good impact on their child's development.<sup>17</sup>

Noble Morals in the Social Environment Every human being is dependent on other humans which causes fellow humans to communicate and interact with each other well in order to obtain various needs for survival, both material and non-material needs. The absence of good social skills will cause various problems. In this regard, the Prophet Muhammad as a role model for the people has shown many ways to achieve success as a social creature. These things need to be imitated by humans, especially in this era where robots are also competing with humans in the social environment. Below are several human attitudes that need to be implemented so that humans win the competition with robots. Some of the things below are dimensions that are difficult for robots to imitate: 1. Empathy, Rasulullah SAW said "The parable of believers in love, affection and tenderness between them is like one body: if one member of the body groans (because of pain) ), then the other members will feel it too by staying up late and feeling hot." (HR. Bukhari and Muslim); 2.Meek; 3. Embarrassment; 4. Compassion; and 5. Get along well.

Because small children like to play, parents should give them the opportunity to play. But it must be supervised, especially when playing with friends. Children's minds are not yet perfect. Parents should straighten it out if there are things that are not good when done. Aisyah said, "I once played with the girls near the Prophet sallallaahu alaihi wasallam, and I also had friends who used to play with me. When the

Islamic Family Law in the Development of Household Assistant Robot Technology in the Era of Society 5.0

<sup>&</sup>lt;sup>14</sup> Sitti Masyithah dan Sitti Hasnah, "Aksentuasi Nilai Islam dan Masyarakat Sebagai Diferensiasi Era Society 5.0," Prosiding Kajian Islam dan Integrasi Ilmu di Era Society (KIIIES) 5.0 1, no. 1 (2022): 419–24.

<sup>&</sup>lt;sup>15</sup> Akrim Lubis, "Ketahanan Keluarga Perspektif Pendidikan Islam dalam Menghadapi Revolusi Industri 4.0," New Normal, t.t., 17.

<sup>&</sup>lt;sup>16</sup> M Pd I Rahmat dkk., Orientasi Pendidikan Agama Islam Society 5.0 Telaah Kitab Ayyuhal Al-Walad Karya Imam Al-Ghazali, vol. 1 (Dr. Rahmat, M. Pd. I, 2021).

<sup>&</sup>lt;sup>17</sup> Agam Nurfadhli, "PERAN ORANG TUA DALAM MENGHADAPI DAMPAK KEMAJUAN TEKNOLOGI DIGITAL DI ERA INDUSTRI 4.0 TERHADAP ANAK MENURUT HUKUM ISLAM (Studi Kasus di Desa Lame, Kecamatan Leuwimunding, Kabupaten Majalengka)," 2022.

Prophet sallallaahu alaihi wasallam entered, they hid from him. So he called them to play with me." (HR. Bukhari: 5665)

Above, there has been much explanation regarding the controversy regarding handing over accompanying children assigned to robots. The existence of the era of society 5.0 by applying robot work to complete household work means that there are other legal consequences, namely product liability which is created in the form of legal insurance guarantees. Binding of a sale and purchase agreement where there is a risk that must be covered by insurance. This is inseparable from non-performance and unlawful acts which are also the legal consequences of business law from the emergence of household assistant robots in the era of society 5.0. This research also results in other civil legal consequences, namely, consumer protection against the emergence of household assistant robots in the era of society 5.0. The public must be careful and the government must monitor the entry of new innovations in the form of household assistant robots in the era of society 5.0. There are several hadiths and the Koran that can be said to provide evidence for the controversy against household assistant robots in the era of society 5.0.

#### Conclusion

- 1. Several household assistant robot technology tools are being sold and will be marketed as a manifestation of technological developments in the era of society 5.0 for Islamic families. This household assistant robot technology makes household work easier. This also results in the need for human resources as household assistants, a reduced sense of responsibility and reduced attention from fellow family members to the home. An interesting discussion at this point is that there are robots being created which will later become household assistants and children's playmates. This will be a contradiction to parents and Islamic law. There are many forms of convenience in completing work quickly. This is a form of adaptation to increasingly advanced technology.
- 2. Legal consequences of technological developments towards the era of society 5.0. There are several hadiths and the Koran which can be said to provide evidence for the controversy against household assistant robots in the era of society 5.0. There is also controversy regarding the handover of accompanying children assigned to household assistant robots in the era of society 5.0. In the era of society 5.0 with the application of work robots to complete household work, there will be other legal consequences, namely product liability created in the form of legal insurance guarantees. Binding of a sale and purchase agreement where there is a risk that must be covered by insurance. This is inseparable from non-performance and unlawful acts which are also the legal consequences of business law from the emergence of household assistant robots in the era of society 5.0. The public must be careful and the government must monitor the entry of new innovations in the form of household assistant robots in the era of society 5.0.

#### References

- Dewi, Nur Kumala, Iwan Mulyana, Arman Syah Putra, dan Fatrilia Rasyi Radita. "Konsep Robot Penjaga Toko Di Kombinasikan Dengan Pengendalian Virtual Reality (VR) Jarak Jauh." *IKRA-ITH Informatika: Jurnal Komputer dan Informatika* 5, no. 1 2021: 33–38.
- Firmansyah, Muhamad Bayu. "Konvergensi Hukum Robot Dalam Sistem Hukum Nasional Indonesia Pada Masyarakat 5.0," 2021.
- Lubis, Akrim. "Ketahanan Keluarga Perspektif Pendidikan Islam dalam Menghadapi Revolusi Industri 4.0." *New Normal*, t.t., 17.

- Martono, Lydia Harlina, dan Satya Joewana. "Pencegahan dan penanggulangan penyalahgunaan narkoba berbasis sekolah." *Jakarta: Balai Pustaka*, 2006.
- Masyithah, Sitti, dan Sitti Hasnah. "Aksentuasi Nilai Islam dan Masyarakat Sebagai Diferensiasi Era Society 5.0." *Prosiding Kajian Islam dan Integrasi Ilmu di Era Society (KIIIES) 5.0* 1, no. 1 2022: 419–24.
- Ngafifi, Muhamad. "Kemajuan teknologi dan pola hidup manusia dalam perspektif sosial budaya." *Jurnal Pembangunan Pendidikan: Fondasi dan Aplikasi* 2, no. 1 2014.
- Nurasih, Wiji. "SOCIAL HUMANOID ROBOT DAN PENGEMBANGAN KARAKTER SOSIAL QURANI MANUSIA." Jurnal Ilmiah Mahasiswa Raushan Fikr 8, no. 2 2019: 217–34.
- Nurfadhli, Agam. "PERAN ORANG TUA DALAM MENGHADAPI DAMPAK KEMAJUAN TEKNOLOGI DIGITAL DI ERA INDUSTRI 4.0 TERHADAP ANAK MENURUT HUKUM ISLAM (Studi Kasus di Desa Lame, Kecamatan Leuwimunding, Kabupaten Majalengka)," 2022.
- Rahmat, M Pd I, M Pd Afriyadi, Masruru Salele, Hapsi Alawi, M Pd Rahman, B Abd Hakim, M Pd Ardiansyah, M Pd Mujiyati, M Pd Sholeh, dan Tri Fahad Lukman Hakim. Orientasi Pendidikan Agama Islam Society 5.0 Telaah Kitab Ayyuhal Al-Walad Karya Imam Al-Ghazali. Vol. 1. Dr. Rahmat, M. Pd. I, 2021.
- Rofiq, Nur, Khoiruddin Nasution, Umdatul Baroroh, Rahmawati Rahmawati, dan Nashih Muhammad. "Perspektif Hukum Keluarga Islam Mensikapi Dampak Revolusi Indusri 4.0." *Iqtisad: Reconstruction of Justice and Welfare for Indonesia* 10, no. 1 (2023): 71–92.
- Romadhon, Fajri, dan Anggun Sinta Bella. "HUKUM KELUARGA ISLAM MENSIKAPI REVOLUSI INDUSTRI 4.0." NUSANTARA: Jurnal Ilmu Pengetahuan Sosial 10, no. 5 (2023): 2223–39.
- Sabikan, Sulaiman bin, Hazlami Fikri bin Basri, dan Mohd Fadhli bin Abd Rashid. "Pembangunan Teknologi Android-robot Dari Perspektif Islam," t.t.
- Sabri, Indar. "Peran pendidikan seni di era society 5.0 untuk revolusi Industri 4.0," 2:342-47, 2019.
- Saputra, Inggar. "Penguatan Moderasi Beragama dan Pancasila dalam Menghadapi Era Society 5.0," 41, 2021.
- Saragih, Nora Deselia. "Menyiapkan Pendidikan Dalam Pembelajaran di Era Society 5.0." Seminar Nasional 2022-NBM Arts, 2022.
- Sunarko, Asep. "Iptek Dalam Perspektif Al-Qur'an." Manarul Qur'an: Jurnal Ilmiah Studi Islam 15, no. 1 2015: 1–14.
- Utari, Dina Tri, dan Zahra Maharani Putri Sumarna. "Robot Cerdas Masa Depan dalam Perspektif Islam." Bunga Rampai Sains, Teknologi, dan Statistika Dalam Islam, t.t., 111.

### Copyrights

Copyright for this article is retained by the author(s), with first publication rights granted to the journal.

This is an open-access article distributed under the terms and conditions of the Creative Commons Attribution license (http://creativecommons.org/licenses/by/4.0/).