SOCIAL DILEMMA: EXTRINSIC AND INTRINSIC IMPACT OF EMERGING TECHNOLOGY ON SOCIETY

Adnan, N.I.M
International Islamic University Malaysia
(izwahadnan@gmail.com)
Graduated student from Department of Library and Information Sciences, Kulliyyah of Information & Communication Technology, International Islamic University Malaysia, Kuala Lumpur, Malaysia

Adnan, H.M
International Islamic University Malaysia
(hafizuddin.adnan@live.iium.edu.my)
Phd student at Department of Computer Sciences, Kulliyyah of Information & Communication Technology, International Islamic University Malaysia, Kuala Lumpur, Malaysia

*Adnan, N.I.M
Universiti Kebangsaan Malaysia
(ilyana_adnan@ukm.edu.my)
Lecturer at Research Centre for Sharia, Faculty of Islamic Studies, Universiti Kebangsaan Malaysia, 43600 UKM Bangi, Selangor, Malaysia

*Corresponding author

ABSTRACT
People relying much on information and communication technology (ICT) in completing their daily tasks. The tasks are including education, management services, banking, and more. The fast emerging of the technology such as gadgets, online services affected the society that lead to social dilemma. The impact of the ICT towards society has brought the positive and negative vibes. Therefore, this paper would discuss this issue of social dilemmas and suggest solutions from the Islamic perspective and also alternatives solutions.

Keywords: information and communication technology, ICT, social dilemma, solutions

INTRODUCTION
The evolution of information technology has changing and emerging in mass situation. Human life has been affected by this technology. This transformation can be observed where people do online task more. Gadgets, tools, online platforms, online applications; can be considered as important needs. Information and communication technology (ICT) brought positive and negative impacts on society, which lead to social dilemma. In many years, (Jeminez, et.al, 2021), ICT has affected all sectors; government services, education, administration, business, medical care and agriculture. Majority of these services are using online service to do business with their customers.

One of the information technologies is social media. Social media network is one of the most popular and important platforms to share information and knowledge to others. People able to connect and communicate between their circles and friend online.

Social media networks are being popular among people nowadays. People communicate through social media in two ways of communication; where the receiver of the information can react back to the informer. In addition, the system enables people to convey information in one-to-many, or many-to-many; which one informer can share information to others and also various informers can share with other people concurrently (Matalon, 2021).

Social Dilemma
Kardara et al. (2015) suggested that among the social networks’ users, there was a person known as influencer, who had the ability to influence and attract the other person such as followers to approve particular activity or any issue, which can carry positive or negative vibes that can lead social dilemma such as spreading fake news, cyberbullying, internet addiction, and privacy.
Vraga and Jacobsen (2020), suggested that there are three main issues aroused and should be aware; information overload, information uncertainty, and misinformation. This situation can affect the psychological well-being among people, such as anxiety (Sallam et.al, 2020). Trusted information can be spread through television, and also social media platforms in order to lessen the anxiety.

Parents should play their role wisely in order to influence their children. As to convince their children with particular information, such as recent issue on vaccination (Melovic et.al, 2020) of this new pandemic covid19. It was found that there is significant relationship between parents’ attitudes and the trust of their children.

A new technology called block chained technology preferred by the different agencies. This technology comes with the technology of data sharing that can be integrated, open and transparent which lead to leak of the privacy of information (Kong and Yue, 2020).

Act of bullying can be found among the online social media networks users. Body shamming (Piatkowski et.al, 2021) and school bullying (Moon and Lee, 2020) are among issues that carried bad influence by the online social media. Fosch-Villaronga et.al (2021) argued that social differences on gender, race, sexual orientation commonly practiced in online social media can affect self-esteem, confidence and authenticity of human being.

The addiction also affected the quality of sleep time among the preschool children (Lan et.al, 2020). The screen time used by the preschool did not only affected on the sleep time, yet also for other quality time such as studying. People are highly addicted to involve in e-gambling which is also has significant to harm oneself (Deng et.al, 2021). These effects can harm the social life of the person. Besides, Duong (2021), concerned on online shopping behavior can be addicted, due to the spent time on internet shopping correlated with frequency of daily internet online shopping. Pornography addiction is a situation of emotion self-loss control (Zamboni et.al, 2021). Overuse of social media has led to addiction, loneliness, depression, and sleep time (Ho, 2021).

As for Islam, any plagiarism of knowledge is prohibited, as it is opposed of Islamic teaching of amanah (trust) and honesty (Zejno, 2018). Yet, the plagiarism often occurred among the higher level of education, in college or university (AlDahdouh, 2021). Other than that, plagiarism (Siddhpura and Siddhpura, 2020) claimed that student would face lack of confident and critical thinking in their academic. It also led to cheating online behavior which is negative influence for the society also.

**Social dilemma from Islamic perspective**

Islam is a complete religion covered in all human life aspects. Even the human life is changing due to the new technology, the Quran and Hadith is always relevant to be referred (Adrahtas, 2020). As for this issue in social dilemma, there are few Quranic verses and Hadith that related to this matter; for example:

1. **View on credibility of information.** As Allah Taala said:

   يَا أَيُّهَا الَّذِينَ آمَنُوا إِنْ جَاءَكُمْ فَاسِقٌ بِنَبَأٍ فَتَبَيَّنُوا أَنْ تُصِيبُوا قَوْمًا بِجَهَالَةٍ فَتُصْبِحُوا عَلَىٰ مَا فَعَلْتُمْ نَادِمِينَ

   {O you who have believed, if there comes to you a disobedient one with information, investigate, lest you harm a people out of ignorance and become, over what you have done, regretful} (Al-Hujurat:6)

2. **View on Security of Information.** As Allah says:

   فيمَا رَحِمَهُمْ مِنْ اللّٰهِ لِنْتَ لَهُمْ ۚ وَلَوْ كُنْتَ فَظًّا غَلِيْظَ الْقَلْبِ لََنْفَضُّوْا مِنْ حَوْلِكَ ۖ فَاعْفُ عَنْهُمْ وَاسْتَغْفِرْ لَهُمْ وَشَاوِرْهُمْ فِى الََْمْرِۚ فَاِذَا عَزَمْتَ فَتَوَكَّلْ عَلَى اللّٰهِ ۗ اِنَّ اللّٰهَ يُحِبُّ الْمُتَوَكِّلِيْنَ

   {So by mercy from Allah, [O Muḥammad], you were lenient with them. And if you had been rude [in speech] and harsh in heart, they would have disbanded from about you. So pardon them and ask forgiveness for them and consult them in the matter. And when you have decided, then rely upon Allah. Indeed, Allah loves those who rely [upon Him].} (Ali-Imran:159)

3. **View on Cyber Bullying.** As Allah says:

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Invite to the way of your Lord with wisdom and good instruction, and argue with them in a way that is best. Indeed, your Lord is most knowing of who has strayed from His way, and He is most knowing of who is [rightly] guided. (An-Nahl:125)

Also as narrated in hadith:

Narrated Abu Umamah:
The Prophet (ﷺ) said: “I guarantee a house in the surroundings of Paradise for a man who avoids quarrelling even if he were in the right, a house in the middle of Paradise for a man who avoids lying even if he were joking, and a house in the upper part of Paradise for a man who made his character good.” (Abu Dawud, 4800).

5. View on Copyright. As Allah says:

Ibn Abbas reported: The Prophet, peace and blessings be upon him, said, “There are two blessings which many people waste: health and free time.” (Sahih Bukhari, 6049).

Solution from Islamic Aspects

Islam has promoted barrier and limitation, wasatiyyah or moderation (check and balance), and awareness towards behavior and the consequence. Overly done in anything can lead to negative consequence. Based on the Maqasid Syariah, there are five fundamentals or elements to protect; life, lineage, faith, intellect, and wealth. All these elements are related with the social life, including the social dilemma towards the ICT. As Muslims, we must know the barrier and limitation in doing something, which is must parallel with the Syariah law, in order to protect faith (deen) such as avoiding the fake news that could bring fitnah to others. Besides, the intellectual aspects also need to be protected, by avoiding much spending time on using online social media among the adolescent such as school and university students. Life is also must be protected, as restraining ourselves to harm other people life, such as cyberbullying which can lead to physical bullying. Overstate of spending money on online shopping, e-gambling are bringing the negative consequence, where our wealth is important value that need to be protected. Lastly, the protection of lineage of someone, such as evading watching online pornography video, that can lead to sexual criminal.
Figure 1 showed the elements of Maqasid Syariah (Sulaiman et.al, 2017).

From the fiqh (Islamic jurisprudence) Qawaid al-fiqhiyyah is considered as a tool to help the Islamic law that deal with the complexity due to new development of time period. Some principles of qawaid fiqhiyyah that can be adopted in this issue. The concept of; All dharar (harm/loss) must be eliminated, and “Dharar (harm/loss) must be prevented as much as possible”. These schemes are related to prevent any harm to society or a person. In concluded that any possible harm, for example addiction in online shopping, cyberbullying is need to be eliminated or stopped immediately.

Abdullah bin Amr reported: The Messenger of Allah, peace and blessings be upon him, said:

الْمُسْلمُ مَنْ سَلِمَ الْمُسْلمُونَ مِنْ لِسَانِهِ وَيَدِه

The Prophet said, "A Muslim is the one who avoids harming Muslims with his tongue and hands. And a Muhajir (emigrant) is the one who gives up (abandons) all what Allah has forbidden.” Sahih al-Bukhari 10.

Other than that, the ICT should be developed to give positive impact on the society, as "Something that applies based on customs is the same as something that applies based on the syara" (as long as it does not contradict the syari’at)”. "The leader’s policy towards the people must follow the benefit (society)” this can be related to the government policy law for online security, privacy information that can prevent the open and transparency of one person. Parallel with the concept of bringing benefits to the society of the ICT, all the positive effects are based on Allah commandment "Where there is a benefit, there is Allah's law”.

Alternatives Solutions
Other alternative solutions are; the development of Inter Planetary File System (IPFS) and Perceptual hash image for the security of the information, (Muwafaq and Alsaad, 2021). High security system adopting the task role-based access control enables the system to enhance the security and privacy of information stored in cloud system (Alshammari et.al, 2021).

Perera and Fernando (2021), suggested that, cyberbullying can be reduced with a machine learning that enable of text detecting on negative terms or words. A new algorithm approach to improve the detection of the words use based on the fast text and word similarity scheme (Wang et.al, 2021). Common words and terms that carried similarity in meaning are able to be detected.

Clustering the information on online social media based on topics using Markov Markov-based computational method on different dataset enable to detect the fake news and disseminate them (Ceron et.al, 2021). Garcia and Gil (2019), claimed that copyright issue of the information can be subdue with the semantic and ontology method, manage the huge information with trust and confidence of the information credibility. Counseling session also effected in reducing the internet addiction, manage and tolerance with the amount of internet usage (Zhang et.al, 2020).

CONCLUSION
Any technology should be utilized wisely among the Muslim. In our daily life, communication technology is one of most important things today. We use phones, internet, online application i.e.,
social media to communicate with people. As our intention is good, then there will be reward by Allah. Da’wah, learning, teaching, are part of good deeds that able to improve our social life, in terms of spirituality, education and more.

People should have the integrity, wise and ethics in using the ICT. We should know on how to balance the time usage of internet, restrain ourselves in badmouthing the other person, or attacking them personally. Family bonding between the members can reduce the usage and addiction of the ICT. Ethics of spreading and sharing of the received information should be concerned. Thus, the Islamic teaching is complete and perfect in any way to prevent any harm for self and society.

REFERENCES
