

Forging a Harmonious Relationship between Cyberspace and the Real World

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Abstract: The virtual world is growing with the birth of some astonishing innovations. This development has created a significant distance between the virtual and real worlds. In cyberspace, communication can be done with people from all over the world quickly, while in the real world, it takes time due to distance limitations. However, many positive things can be taken from the development of cyberspace technology. First, the development of many fields of study in the real world, for example, education, with the ease of learning online. Second, cyberspace technology facilitates human activities in the real world. This article is written to explain various further efforts to overcome the gap between the two worlds and create harmony. The discussion in this article is based on the literature review method and refers to new media theory. The discourse of this article centers on several efforts: the importance of creating harmony between the virtual and real worlds, the presence of technology that can bridge the virtual and real worlds, and the collaboration of the government and users to realize this harmony.

Keywords: Forging Harmonious, Relationships, the Virtual World, the Real World.

Introduction

The distinction between the real world and the virtual world is becoming more and more clear in this era of media convergence. The term "media convergence" refers to blending several media technologies that existed independently before digitization and computer networking but are now combined on a single device. The way a person communicates and engages with others in society is impacted by media convergence. Jenkins talks about how transitioning from traditional to new media opens up new possibilities for bridging the gap between the virtual and physical worlds. (Henry Jenkins 2006)

Convergence doesn't just come through information technology, no matter how advanced it is, it just grows in the brains of every user seen in their social interaction with the world around them or the real world. Each individual produces their own story from the information they obtains from

the media, and then the individual gathers the information to understand the realities of everyday life.

Media convergence then carries a significant impact on the way one communicates. The way we interact and build social connections also has an impact. This shift has resulted in differences in the way language, symbols, and technology are used. Especially when delivering messages and interacting with others.

When a person exceeds the limits of information storage in the brain, he will be pushed to extract it. Some people may prefer to engage in online activities rather than interact with people in their surroundings. It can lead to social problems and mental health problems. Therefore, it is vital to provide a bridge to create a balance between the virtual world and the real world.

Materials and Methods

This article uses the literature review method, collecting and analyzing literature relevant to the topic to be discussed. The purpose of discussing this article is to compile and evaluate current knowledge on topics related to problems that often occur in cyberspace and the real world and to find gaps in research that have not been resolved. Written sources such as academic journals, books, articles, and other publications are specifically discussed.

Specific methods are used to search, collect, and organize related literature. First, keywords and search criteria relevant to the research topic are identified. Then, relevant literature is searched through academic databases, libraries, and other sources. Once the literature was collected, the researchers carefully read and reviewed each source. They do this to note important findings and discover new patterns or themes. This method allows researchers to identify problems or weaknesses in previous research and formulate more specific research questions. It also helps them understand the latest advances and the importance of integrating the virtual and real worlds. This method builds a strong theoretical foundation for research on today's dominant new media and results from various sources.

Results and Discussion

Creating Harmony Between Cyberspace and Real-World Interactions

Cyberspace, in simple language, can be described as a world that exists but can only be reached in virtual space.(Dian Basuki 2019) Accessing this virtual space requires an internet connection. While the real world is the world where an individual, group, or community conducts daily activities that appear real, especially with face-to-face interactions.

The virtual world is growing with the birth of some astonishing innovations. These technological innovations were unthinkable decades ago. However, these developments have created a significant distance between the virtual and real

worlds. In cyberspace, it is possible to communicate with people from all over the world in quick time. However, these interactions often lack the same emotional and social aspects as real-world interactions. (Papacharissi 2011) In addition, using social media has affected how social relationships are formed. In reality, people who interact in the real world meet again through cyberspace.

Meanwhile, the real world has limitations in daily interactions. Interaction can only be done between individuals or groups that meet in person. Mobility in the real world is limited, so it cannot reach many places. Additionally, interactions in the real world can be more in-depth and last longer. As one relies more on technology, one must also take precautions to ensure that the communication remains meaningful, authentic, and sensitive to the social context. It's important to build bridges between the virtual and real worlds. Especially to understand and appreciate the differences between the two worlds. The virtual world utilizes technology, while the real world focuses on something natural and face-to-face.

In recent years, the metaverse concept has become increasingly popular in modern society. The metaverse is a virtual world that is all the same as the real world, or more realistic than the real world. (Yoo Jin Shi 2011) The technology, known as the metaverse, is evolving rapidly. Allows people to spend hours in a fun virtual world and interact with its content in a world that provides protection and illusion from alternate realities.(Han, Bergs, and Moorhouse 2022) This concept provides an opportunity to strengthen social and economic ties between the virtual and real worlds. The metaverse world becomes one of the alternatives to knit the relationship between the virtual and the real world.

The metaverse describes the process of building a virtual environment that has a relationship with the real world so that people can communicate through digital entities with people and objects. In the real world, communication relies on an identity and address recognized by the authorities, no matter whether the communication is made through post, email, mobile phone, or landline. However, the metaverse is different from the real

world, where one must have a specific identity. This identity may be a virtual address locked in the metaverse, but no one can find or confirm this identity. A re-mapping of virtual addresses to individual identities and a certain spectrum are required to reach those addresses to hide individuals in the metaverse (Xu et al., 2022).

However, there are some challenges and risks to overcome when expanding the metaverse. For example, cyberspace can also provide opportunities to expand one's knowledge and skills in education. However, it is just that long-term interaction with teachers and students is essential for the development of social and emotional skills in students. Therefore, there should be a proper balance between the use of technology and social interaction in the real world.

Challenges aside, the benefits of Metaverse technology are felt very real in the real world. First, it allows users to get a more immersive experience through communication channels between the virtual world and the real world. Second, the metaverse is a multidimensional virtual space, including space and time dimensions, where users can interact through their virtual replicas. Third, the application of Metaverse allows the creation of real/physical world replicas that can interact and create content. Fourth, new product concepts will become an integral part of the Metaverse. (Mourtzis 2023) Users will have the ability to collaborate remotely with product developers, allowing for a more effective exchange of information.

Table 1. The importance of a harmonious relationship between the virtual and the real world.

Hal penting	Description
Cyberspace and new social relations	People from different parts of the world are already connected through social media and the Internet. Many people can communicate with people of different religions, languages, origins, and dialects. This allows people to practice their life principles, have a deeper understanding of each other's differences, and exchange knowledge. (Susanne Abele 2011)
Maintaining life balance	Maintaining a balance between the virtual and real worlds is essential for mental and physical health. Too much time on the internet can lead to health problems and social isolation. While too little online interaction can leave one feeling marginalized in social and community development. (Natasha Devesar, n.d.)
Combining knowledge	By having a harmonized relationship between the virtual and real worlds, people can integrate the knowledge they gain from these two worlds. For example, one can use the knowledge they gain from the virtual world to improve their daily lives in the real world. (Nadeeshani Welgama 2021)
Developing a career	A strong connection between the virtual and real worlds is key to successful career development for many people. Cyberspace can be used to find business opportunities, build professional networks, and promote oneself. (Sarah Nagem 2021)

Library Data

Utilizing Technology in Cyberspace as a Constructive Tool in the Real World

Technology has become an integral part of modern human life. Almost all aspects of life have been connected to technology. Interaction through social media is most enjoyed now. Purchases can also be made online with unimaginable ease. The world of health is no exception, with many medical devices using cyberspace technology. In the industrial world, changes are happening in various sectors. With the existence of artificial intelligence, the utilization of human labor is slowly being reduced.

Technology helps and simplifies human activities in the real world. However, it is important to understand that technology does a lot in the real world, changing many things in human life. This is not just limited to the virtual world itself.

One of the most widely used virtual world technologies in the real world is virtual reality (VR) technology. (Kohli et al. 2022) VR, also known as virtual reality, allows users to interact with an environment simulated by a computer. (Iberdrola, n.d.) One of the benefits of VR technology is its ability to create and simulate three-dimensional

objects for its users. Currently, its utilization can be found in the worlds of education, health, business, religion, communication, and others. VR can encourage anyone to create and visualize objects better. To help the interaction process in the virtual and real worlds. Because the content is three-dimensional, objects can be seen from all sides.

In addition to the benefits of VR in general, there are several benefits of virtual world technology that can be applied in the real world. First, in the field of telecommunications. Information technology allows one to

communicate with others from a distance quickly and easily. Second, in the business world, Virtual world technology can help companies in various fields, such as data processing, inventory management, and marketing. (University 2021)

There are many other benefits to cyberspace technology. In essence, cyberspace technology can provide many benefits to people in the real world. Utilizing technology wisely can help increase the efficiency, productivity, and motivation of its users to develop more in the future.

Table 2. Challenges and Barriers to Utilizing Technology in the Real World.

Challenges and Barriers	Description
Privacy and security issues in the use of technology	Technological advances sometimes allow people to provide personal information to companies that sell data to third parties. That information can be in the form of cookies, small data files stored on a website's hard drive when a user visits the site, or spyware. From there, computer programs secretly collect data, commonly used to obtain personal information. (Hoven, Jeroen van den, Martijn Blaauw 2020)
Digital Divide and Accessibility Challenges	The digital divide does not only include differences between people with access to the internet or mobile devices and those without access. It also includes additional differences in terms of digital skills, digital usage, infrastructure quality, access to content, and other factors. There are many differences, such as between men and women, urban and rural, developed and developing countries, and even between countries bordering the sea and land. (TAYLOR 2023)

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Barriers to the Establishment of a Harmonious Relationship between Cyberspace and the Real World

The interaction between the virtual world and the real world has given rise to a new culture called the culture of real virtuality. (Nugroho 2020) This culture describes people who spend their time on virtual media. Moving from one page to another. This can be done using sophisticated communication tools and fast internet access.

The intensity of activities in the virtual world sometimes exceeds those in the real world. The impact has created inequality in daily life. The existence of cyberspace should be a supporting technology for the smooth running of real-world activities. However, it becomes different when the process is reversed.

In the process of achieving harmony between the virtual world and the real world, there are several obstacles that hinder it. First, there are

differences in reality. (Pradana 2017) The virtual world and the real world are very different, which can cause problems to understand and adapt to. For example, in cyberspace, one can choose to be a different character than oneself. Whereas in the real world, one has to interact directly with others.

Second is the lack of infrastructure and internet access. (BHRInstitute 2021) In the real world, technology implementation is often faced with the challenge of a lack of adequate infrastructure and internet access. There are still many areas that are not covered by a stable and fast internet network. This condition hinders the expansion of technology utilization in the community.

Third, inappropriate content. (Kementrian Koordinator Bidang Politik Hukum dan Keamanan 2022) If not properly monitored, cyberspace can be a dangerous place. Inappropriate content such as radicalism, violence, and porn can affect people's perceptions of cyberspace.

Fourth, data security and privacy. (Ahmad M. Thantawi 2023) Data security and privacy issues are another problem that arises in cyberspace. This issue affects activities in the real world. Many find sensitive information and data constantly threatened by cyberattacks and privacy violations.

Fifth, dependency. (Sigit Dwi Saputra 2022) Anyone who spends too much time in cyberspace can become dependent and neglect the real world. This can lead to mental health and social relationship problems.

To overcome the obstacles to a harmonious relationship between the real and virtual worlds, support from various parties is needed. Governments and communities, as well as individuals, are obliged to study and monitor inappropriate content. This can help reduce the negative effects of cyberspace. In addition, expanding access and advancing technology can help connect the two worlds. Another way to help overcome the gap between the virtual and real worlds is to use technology wisely. As well as setting the right time for surfing the internet.

Conclusions

In conclusion, this article has discussed some important elements that can help make the relationship between online and real-world interactions more consistent. The trick is to combine the benefits of cyberspace technologies with the benefits of real-world interactions. By working together with governments and cyberspace users, we can anticipate the current challenges that stand in the way of creating harmony. It is critical for governments, communities, and individuals to learn about and police inappropriate content to help reduce the negative impact of the internet. Finally, more access and technological advancements can help connect these two worlds. Wise use of technology also helps to overcome the differences between the virtual and real worlds and even set the right time to surf the internet.

References

- Ahmad M. Thantawi. 2023. *Kupas Tuntas Mengenal Big Data*. Jambi: Sonpedia Publishing Indonesia.
- BHRInstitute. 2021. "Hambatan Akses Internet Di Indonesia." 2021.
- Dian Basuki. 2019. "Dunia Maya Berbeda Dari Dunia Nyata, Benarkah?" *Indonesiana*. <https://www.indonesiana.id/read/100011/dunia-maya-berbeda-dari-dunia-nyata-benarkah>.
- Han, Dai In Danny, Yoy Bergs, and Natasha Moorhouse. 2022. "Virtual Reality Consumer Experience Escapes: Preparing for the Metaverse." *Virtual Reality* 26 (4): 1443–58. <https://doi.org/10.1007/s10055-022-00641-7>.
- Henry Jenkins. 2006. *Convergence Culture; Where Old and New Media Collide*. New York: New York University Press.
- Hoven, Jeroen van den, Martijn Blaauw, Wolter Pieters & Martijn Warnier. 2020. "Privacy and Information Technology." *Stanford Encyclopedia of Philosophy*.
- Iberdrola. n.d. "Virtual Reality: Another World within Sight."
- Kementrian Koordinator Bidang Politik Hukum dan Keamanan. 2022. "Literasi Digital Dalam Pencegahan Konten Negatif Dan Hoaks." 2022.
- Kohli, Varun, Utkarsh Tripathi, Vinay Chamola, Bijay Kumar Rout, and Salil S. Kanhere. 2022. "A Review on Virtual Reality and Augmented Reality Use-Cases of Brain Computer Interface Based Applications for Smart Cities." *Microprocessors and Microsystems* 88 (October). <https://doi.org/10.1016/j.micpro.2021.104392>.
- Mourtzis, Dimitris. 2023. "The Metaverse in Industry 5.0: A Human-Centric Approach towards Personalized Value Creation." *Encyclopedia* 3 (3): 1105–20. <https://doi.org/10.3390/encyclopedia3030080>.
- Nadeeshani Welgama. 2021. "Integration of E-Learning and Virtual Reality to Enhance University Education." LinkedIn. 2021.
- Natasha Devesar. n.d. "Balance Your Real and Virtual World." *Novo Leader The Learning Revolution*.
- Nugroho, Catur. 2020. *Cyber Society; Teknologi, Media Baru, Dan Disrupsi Infomasi*.
- Papacharissi, Zizi. 2011. *A Networked Self: Identity, Community, and Culture on Social Network Sites*. New York: Simultaneously Published,.
- Pradana, Bayu Indra. 2017. *Etnografi Dunia Maya Internet*.
- Sarah Nagem. 2021. "Career Development in a Virtual World." *Journal of Accountancy*.
- Sigit Dwi Saputra, Dkk. 2022. *Pendidikan Ala Generasi Kids Zaman Now*. Malang: MNC Publishing.
- Susanne Abele. 2011. *Strategic Uses of Social Technology An Interactive Perspective of Social Psychology*. Edited by

- Zachary Birchmeier, Beth Dietz-Uhler, And, and Garold Stasser. Cambridge University Press. <https://doi.org/https://doi.org/10.1017/CBO9781139042802.005>.
- TAYLOR, KIARA. 2023. "The Digital Divide: What It Is, and What's Being Done to Close It." *Investopedia*, 2023.
- University, Binus. 2021. "Apa, Sih, Manfaat Teknologi Informasi Dalam Kehidupan?" 26 Januari 2021. 2021. <https://graduate.binus.ac.id/2021/01/26>.
- Xu, Hao, Zihao Li, Zongyao Li, Xiaoshuai Zhang, Yao Sun, and Lei Zhang. 2022. "Metaverse Native Communication: A Blockchain and Spectrum Prospective." *2022 IEEE International Conference on Communications Workshops, ICC Workshops 2022*, 7–12. <https://doi.org/10.1109/ICCWorkshops53468.2022.9814538>.
- Yoo Jin Shi. 2011. *Metaverse Tanah Peluang: Kisah Metaverse Yang Hidup Yang Diceritakan Oleh Pembangun Metaverse Pertama Di Dunia*. Hyunga Publishing.