

Bing Chat AI for Learning Supplement

I Made Pustikayasa¹, Ni Wayan Purnawati², I Nyoman Alit Arsana³

^{1 2 3}Institut Agama Hindu Negeri Tampung Penyang Palangka Raya

¹imdpus@gmail.com, ²nw_purnawati@iahntp.ac.id, ³alitorsana@iahntp.ac.id

ABSTRACT

The development of a student is very dependent on the learning environment, such as the learning environment at school, at home, and in the surrounding community. Currently, the way students learn is also influenced by the presence of information and communication technology, which is becoming increasingly sophisticated. Artificial Intelligence (AI) is one of the technologies that can be used to obtain summarized information on demand. This AI technology has been integrated into Microsoft Bing. Bing via Chatbot AI is provided on the Microsoft Edge search engine, which has the ability to answer the commands that its users need. This convenience is interesting to discuss in the world of education, especially for students. The presence of Bing Chat AI can be utilized to facilitate students to gain their knowledge as a supplement to the lessons at school.

Keywords: Learning Supplement, Artificial Intelligence, Bing Chat AI

I. Introduction

Learning can be understood as response reinforcement, knowledge construction, and knowledge acquisition. (Setyosari, 2020, p. 6). Knowledge can be obtained by learning through daily experience (empirical), family, the surrounding environment, and teachers. Empirical knowledge is in the form of experience and observation of certain facts (Octaviana & Ramadhani, 2021). Learning can come from within and outside the individual. Learning that comes from outside the individual comes from social factors, including from family conditions, family atmosphere and circumstances, teachers and teaching methods, tools used in teaching and learning, the environment, and opportunities available, and social motivation. (Thorboni, 2015, pp. 29–30). Learning resources are anything that is used as material or reference to increase students' knowledge and abilities, including systems or material devices that are deliberately created or prepared with the intention of facilitating students and in the form of hardware and software. (Sasmita, 2020).

The development of Information Communication and Technology (ICT) at this time has provided a new way for students to learn and acquire knowledge, one of which is the internet. In this era, the internet is not just a link between computers and other devices in a network around the world. With the integration of artificial intelligence (AI), the internet also allows its users to interact by conducting discussions. AI software developers actually aim to make ease of their users to collect the information they need through search engines. One search engine that has been supported by AI in the form of a chatbot is Microsoft Bing and the Microsoft Edge browser. The Bing Chat AI browser which is accessible via the bing.com webpage provides better search, more complete answers, a new chat experience, and the ability to generate content. (Mehdi, 2023).

AI is an attempt to create systems that can learn, think, feel, analyze, and act in the same way as humans. AI can change the way students interact with the digital world via the internet while learning. In accordance with the principles of learning, namely behavior change, systemic processes that are dynamic, constructive, and organic, as well as experiences resulting from student interaction with the environment (Thorboni, 2015, pp. 19–20). Digital learning functions as a supplement, complement, and substitution. In its function as a supplement, if Bing Chat AI is used for a good purpose, it can provide insight and knowledge to students. Its function as a complement is as reinforcement, which is the enrichment and repetition of learning. Meanwhile, as the substitution it functions to ease students to manage their learning activities (Munir, 2017, pp. 10–12).

Based on the abovementioned explanation, Bing Chat AI is interesting to discuss opportunities and challenges as a supplement to the learning process. This material was analyzed using a descriptive qualitative approach and a document study.

II. Discussion

Learning resources are all sources in the form of data, people, messages, tools, materials, techniques, and the environment, either separately or in combination, to facilitate students' learning and enable learning to occur (Suryani et al., 2019, pp. 15–16). The internet can be used by students as a learning resource to gain

knowledge. The internet makes it easier for students to access various available sources of information, such as various references, both in the form of research results and articles on the results of studies in various fields.

1. Bing Chat AI

The Bing search engine is already integrated with AI Chat GPT-4 technology developed by an open AI GPT Chat development company. (Giovani Dio Prasasti, 2023). Bing Chat AI is an Artificial Intelligence (AI) that is integrated into search engine and browser software. AI is an artificial intelligence technology applied to the Bing search engine and the Edge browser developed by Microsoft. Bing Chat AI aims to provide a more comprehensive, interactive, and creative web browsing and search experience. Bing Chat AI uses OpenAI ChatGPT technology to provide chat features that help find the answers that one is looking for more easily. Bing Chat AI can also generate content that can help complete various tasks, such as writing emails, making travel plans, or creating quizzes.

The following are the steps to use Bing Chat AI is quite easy to find and collect relevant information.

- a. Open Microsoft Edge and go to bing.com/chat. Alternatively, from the Bing homepage, click Chat in the top navigation bar.
- b. Sign in with Microsoft account if haven't already.
- c. Choose a conversation style from the options: More Creative, More Precise, or More Balanced.
- d. Type prompt in the text box (such as questions, requests, or topics of interest) and press Enter.
- e. Wait for Bing to generate a response and see what Bing is searching for and the sources it is using in the background.

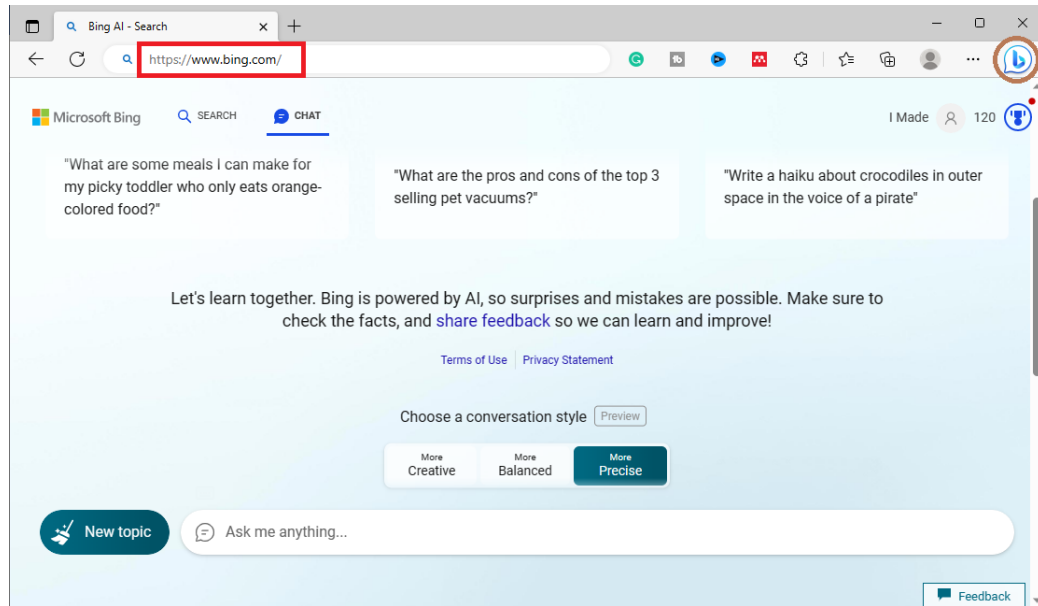


Figure 1. Bing Chat AI

2. Bing Chat Opportunities in Learning

Access to information in digital learning allows various learning information and developments to be accessed quickly and easily. (Munir, 2017, p. 9). The learning process by utilizing technology: (1) makes learning more effective and interesting; (2) can explain something difficult or complex; (3) speeds up the old process; (4) presents rare events; (5) indicates an event that is dangerous or out of reach. (Jamun, 2018). AI can help students understand the material presented by the teacher. AI can also help provide feedback for teachers as they develop lessons that suit the needs of each student. (Salau et al., 2022).

Bing Chat AI can be utilized in the learning process as a supplement to complement the knowledge that has been acquired at school, at home, or in the surrounding environment. The following are the features offered by Bing AI for finding the information needed: (1) better search, meaning users can get information with more relevant results for simple things, equipped with a new sidebar that displays more comprehensive answers; (2) complete answers, meaning that the required answers will be reviewed and summarized from across the web according to the question; (3) the new chat experience, which is a more complex search that can display more detailed information with links provided for consideration in making decisions; (4) creative spark: the

answers given include the source of the quote so that the link to the web content it refers to can be confirmed. (Mehdi, 2023).

3. The Bing Chat AI Challenge in Future Learning

The convenience offered by AI such as Bing Chat can make students lazy to read and tend to think practically if not used wisely. To avoid this, teacher and parent assistance and guidance are needed. Excessive and uncontrolled use of technology can have a negative impact on student development, such as forgetting the time or being too lazy to do homework (Marwah, 2022). Besides that, it can degrade student ethics, lead to skepticism and uncriticalness towards new things, and lead to apathy. (Jamun, 2018).

4. The Role of Teachers and Parents

a. The role of the teacher in school

Education is inseparable from the role of the teacher, whose function is to educate, guide, and direct students to acquire knowledge. In the learning process, apart from being a teacher, the teacher also acts as an informant and facilitator. (Setyawan et al., 2020). Aside from being educators, teachers also act as learning resources, facilitators, mentors, demonstrators, managers, advisors, innovators, motivators, trainers, and evaluators (Yestiani & Zahwa, 2020). Thus, teachers in schools have an important role in guiding students in properly and correctly utilizing ICT, such as Bing Chat AI, to develop their potential according to their interests and talents.

b. The Role of Parents at Home

Generation Z is a generation that is attached to technology. Parents are the most appropriate figures to educate children at home from an early age (Gilang Achmad Marzuki and Agung Setyawan 2022; Lilawati 2020). This is inseparable from the utilization of ICT. It is a good idea that parents can participate in supervising children in the use and utilization of ICT in everyday life. If there is no supervision may give a bad influence on the child. (Mazdalifah and Moulita 2021). Internet access without parental assistance has a greater negative impact than a positive one. (Kusumawardhani, Segara, and Supriadi 2019). Therefore, it is important

to provide a supervision and assistance in the use of information technology such as Bing Chat AI, so that children stay focused on finding positive information as a source of learning. Parents must play a role in using Bing Chat AI to explore self-potential so that children can continue to develop.

III. Closing

The initial concept of the presence of information and communication technology is to facilitate human life. Various types of knowledge can be obtained easily through Bing Chat AI. Bing Chat AI can respond well to any user's questions. Not only that, but Bing Chat AI also provides a response with a clear basis and source. Particularly in the learning process, it can ease students to find answers from assignments given by the teacher without having to search and read various literature. This convenience will be a challenge in the world of education in the future: how to invite students to think critically and increase their knowledge. Teachers and parents play an important role in controlling students' use of existing AI technology. Students need to be guided not only as users but also as developers and creators because the current student competency will determine the fate of the nation in the future.

Bibliography

- Giovani Dio Prasasti. (2023, March 16). *Microsoft Akui Chatbot Bing Sudah Pakai GPT-4 Buatan OpenAI - Tekno Liputan6.com*.
<https://www.liputan6.com/tekno/read/5234689/microsoft-akui-chatbot-bing-sudah-pakai-gpt-4-buatan-openai>
- Jamun, Y. M. (2018). Dampak Teknologi Terhadap Pendidikan. *Jurnal Pendidikan Dan Kebudayaan Missio*, 10(1), 48–52.
<https://doi.org/10.36928/JPKM.V10I1.54>
- Marwah, M. (2022). Analisis Dampak Penggunaan Internet Terhadap Perilaku Peserta Didik Kelas VIII Di MTs Muhammadiyah Wuring. *Holistic Science*, 2(1), 5–8.
- Mehdi, Y. (2023, February 7). *Reinventing search with a new AI-powered Microsoft Bing and Edge, your copilot for the web - The Official Microsoft Blog*. Microsoft.
<https://blogs.microsoft.com/blog/2023/02/07/reinventing-search-with-a-new-ai-powered-microsoft-bing-and-edge-your-copilot-for-the-web/>

- Munir. (2017). *Pembelajaran Digital* (Ruswandi, R. Firly, & A. S. Susur, Eds.). Alfabeta.
- Octaviana, D. R., & Ramadhani, R. A. (2021). HAKIKAT MANUSIA: Pengetahuan (Knowledge), Ilmu Pengetahuan (Sains), Filsafat Dan Agama. *Jurnal Tawadhu*, 5(2), 143–159.
- Salau, A. O., Demilie, W. B., Akindadelo, A. T., & Nnenna, J. (2022). *Artificial Intelligence Technologies: Applications, Threats, and Future Opportunities*.
- Sasmita, R. S. (2020). Pemanfaatan Internet Sebagai Sumber Belajar. *Jurnal Pendidikan Dan Konseling (JPDK)*, 2(1), 99–103. <https://doi.org/10.31004/JPDK.V2I1.603>
- Setyawan, A., Sholihah, A., Rita, S. M., Alfiya, N., & Nurfajri, R. A. (2020). Peran Guru dalam Pembelajaran SD Pangpong. *Prosiding Nasional Pendidikan: LPPM IKIP PGRI Bojonegoro*, 1(1). <https://prosiding.ikippgribojonegoro.ac.id/index.php/Prosiding/article/view/1096>
- Setyosari, P. (2020). *Desain Pembelajaran*. Bumi Aksara.
- Suryani, N., Setiawan, A., & Putria, A. (2019). *Media Pembelajaran Inovatif dan Pengembangannya*. Remaja Rosdakarya.
- Thorboni, M. (2015). *Belajar dan Pembelajaran Teori dan Praktik* (S. Meita, Ed.). Ar-Ruzz Media.
- Yestiani, D. K., & Zahwa, N. (2020). Peran Guru dalam Pembelajaran pada Siswa Sekolah Dasar. *FONDATIA*, 4(1), 41–47. <https://doi.org/10.36088/FONDATIA.V4I1.515>
- Gilang Achmad Marzuki, and Agung Setyawan. 2022. "PERAN ORANG TUA DALAM PENDIDIKAN ANAK." *Jurnal Pendidikan, Bahasa Dan Budaya* 1(1):53–62. doi: 10.55606/jpbb.v1i1.809.
- Kusumawardhani, Anita, Afifa Ayang Segara, and Wagiman Supriadi. 2019. "Peran Orang Tua Dalam Pengawasan Penggunaan Internet Pada Anak." *Abdikarya* 3(3):1–4.
- Lilawati, Agustien. 2020. "Peran Orang Tua Dalam Mendukung Kegiatan Pembelajaran Di Rumah Pada Masa Pandemi. *Jurnal Obsesi: Jurnal Pendidikan Anak Usia Dini*." *Jurnal Visipena* 11(2):99–115.
- Mazdalifah, Mazdalifah, and Moulita Moulita. 2021. "MODEL PENGAWASAN ORANG TUA TERHADAP PENGGUNAAN MEDIA DIGITAL ANAK." 4(1).