

## DAFTAR PUSTAKA

- Dame, K., Rompis, L., Rante, J., & Singgeta, R. (2024). *An Assistive Technology for A Deaf Student : Many-to-One System Using Button Board Speech-to-Image Based on Microcontroller ESP8266*. 7(2), 61–67.
- Fathony, I. A. N., Mareta, A., Adiana, B. E., Wardhani, O., & Halim, D. A. (2025). *Optimisasi Whisper Speech-to-Text Bahasa Indonesia dengan Hybrid Cloud dan Multi-Engine*. 18(1), 60–72.
- Husein, M. S. Al. (2025). *RANCANG BANGUN PIPELINE NOTULENSI OTOMATIS DENGAN INTEGRASI MODEL WHISPER (SPEECH-TO-TEXT) DAN MODEL PEGASUS (ABSTRACTIVE SUMMARIZATION)*.
- Irdamurni, I., Nurhastuti, N., Amini, R., & Taufan, J. (2020). *Implementation of speech to-text application for deaf students on inclusive education course*. 3(2), 38–40. <https://doi.org/10.4108/eai.11-12-2019.2290896>
- Jain, S. (2025). *These Transcribing Eyeglasses Put Subtitles on the World*. <https://www.wired.com/story/these-translating-ai-glasses-put-subtitles-on-the-world/>
- Kementerian Kesehatan RI. (2025). *Kemenkes Ajak Masyarakat Peduli Kesehatan Pendengaran*. <https://kemkes.go.id/id/kemenkes-ajak-masyarakat-peduli-kesehatan-pendengaran>
- Maulana, R., Hanifi, R., & Fauji, N. (2021). *Rancang Bangun Kacamata Pengubah Suara Menjadi Teks*. 4, 53–61.
- Nguyen, L. (2025). *SMART VOICE AI SYSTEM FOR EDUCATIONAL IOT APPLICATIONS USING ESP32-S3*.
- Prevention, C. for D. C. and. (2022). *Annual Summary Data: Early Hearing Detection and Intervention (EHDI) Program*. [https://www.cdc.gov/hearing-loss-children/data/ehdi-data.html?utm\\_source=chatgpt.com](https://www.cdc.gov/hearing-loss-children/data/ehdi-data.html?utm_source=chatgpt.com)
- Raju, G. N., Sreedhar, M., & Prasad, P. M. K. (2025). *SPEECH-TO-TEXT CONVERSION WEARABLE SMART GLASSES FOR THE HEARING-IMPAIRED USING ESP 32*. 187–194. <https://doi.org/10.46121/pspc.53.2.18>
- Roissyah Fernanda Khoiroh, Eric Julianto, Safrizal Ardana Ardiyansa, Fajri, H. A., Aryaguna Abi Rafdi Yasa, & Brian Sangapta. (2024). Implementasi Speech

- Recognition *Whisper* pada Debat Calon Wakil Presiden Republik Indonesia. *Explore*, 14(2), 67–74. <https://doi.org/10.35200/ex.v14i2.115>
- Soni, A. A. (2025). *Improving Speech Recognition Accuracy Using Custom Language Models with the Vosk Toolkit*. 1–11. <http://arxiv.org/abs/2503.21025>
- Suen, J., Shukla, A., Goman, A., Price, C., Lin, F., & Reed, N. (2020). Associations Between Hearing Loss, Loneliness, and Social Isolation: A Systematic Review. *Innovation in Aging*, 4(Supplement\_1), 318–318. <https://doi.org/10.1093/geroni/igaa057.1018>
- System, E. (2026). *ESP32 - S3 - DevKitC - 1 v1.1* □.
- Vishal Thorat, Pranesha Naik, Pranav Shetty, & Manish Singh, Kishor G Sawarkar. (2020). *Wearable Smart Spectacles using Arduino*. *International Journal of Engineering Research And*, V9(04), 79–82. <https://doi.org/10.17577/ijertv9is040284>
- Wang, R., Xu, Z., & Lin, F. X. (2024). *WhisperFlow: speech foundation models in real time*. <https://doi.org/10.1145/3711875.3729151>
- Wikipedia. (2025). *I2S*. <https://en.wikipedia.org/wiki/I²S>
- World Health Organization. (2025). *Deafness and hearing loss*. <https://www.who.int/news-room/fact-sheets/detail/deafness-and-hearing-loss>