

Using AI for Job Hunt Success: Interactive Workshop for Resume Writing and Job Interview Preparation

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ABSTRACT

Generasi muda Indonesia menghadapi tantangan signifikan dalam transisi dari pendidikan ke dunia kerja, dengan tingkat pengangguran di kalangan usia 20-24 tahun mencapai 17,02% pada tahun 2022. Program pengabdian masyarakat ini bertujuan untuk meningkatkan daya kerja lulusan SMA/SMK dan mahasiswa tingkat awal maupun akhir di Karawang Barat melalui pelatihan persiapan karir inovatif berbasis AI. Lokakarya interaktif ini diselenggarakan di Universitas Horizon Indonesia dengan menggunakan metode penyampaian bilingual yang menggabungkan paparan bahasa Inggris dengan penjelasan bahasa Indonesia. Tiga puluh peserta terlibat dalam praktik langsung menggunakan ChatGPT untuk peningkatan resume dan persiapan wawancara melalui ponsel pribadi mereka. Program ini menggunakan teknik prompting terstruktur, praktik mode suara, dan pendekatan pembelajaran sebaya untuk membangun literasi AI dan keterampilan pencarian kerja praktis. Hasilnya menunjukkan tingkat penyelesaian 100% untuk aktivitas dasar dan lebih dari 90% keberhasilan dalam aplikasi lanjutan, dengan peserta menyatakan peningkatan kepercayaan diri yang signifikan dalam aktivitas persiapan kerja. Umpan balik kualitatif mengungkapkan peningkatan pemahaman tentang aplikasi perangkat AI, peningkatan motivasi untuk belajar bahasa Inggris, dan kesadaran yang lebih besar akan persyaratan pengembangan keterampilan profesional. Lokakarya teknologi ini sukses meningkatkan kesiapan kerja digital pemuda dan layak direplikasi secara luas.

Indonesian youth face significant challenges in transitioning from education to employment, with unemployment rates among 20-24 year-olds reaching 17.02% in 2022. This community service program aimed to enhance employability among high school graduates and final-year students in West Karawang through innovative AI-powered career preparation training. The interactive workshop was conducted at Horizon Indonesia University using bilingual delivery methods combining English exposure with Indonesian explanations. Thirty participants engaged in hands-on practice using ChatGPT for resume enhancement and interview preparation via their personal smartphones. The program utilized structured prompting techniques, voice mode practice, and peer learning approaches to build both AI literacy and practical job search skills. Results demonstrated 100% completion rates for basic activities and over 90% success in advanced applications, with participants expressing significantly increased confidence in job preparation activities. Qualitative feedback revealed enhanced understanding of AI tool applications, improved motivation for English language learning, and greater awareness of professional skill development requirements. This technology workshop successfully increased the digital work readiness of young people and is worthy of widespread replication..



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INTRODUCTION

The transition from educational institutions to the labor market represents a critical juncture in young people's lives, yet this transition has become increasingly challenging for Indonesian youth. With an estimated 9.9 million Generation Z Indonesians currently unemployed and not enrolled in formal education or training programs, the nation faces a significant demographic challenge that threatens both individual prospects and national economic development (Falianty, 2024). This challenge is particularly acute in West Java's industrial regions, where despite substantial economic activity, young people continue to struggle with job market entry and career preparation.

West Karawang, as one of Indonesia's major industrial centers, presents a compelling case study of this broader challenge. While the region hosts massive industrial parks with high demand for skilled workers, recent data indicates persistent difficulties in matching young job seekers with available opportunities (SMERU Research Institute, 2024). Local government initiatives, including job fairs that offer over 1,800 positions from 61 companies, demonstrate the availability of employment opportunities, yet youth unemployment remains a concern requiring innovative solutions (Times Indonesia, 2025). The gap between available positions and successful job placements suggests that traditional job preparation methods may be insufficient for today's competitive labor market.

The employment challenges facing Indonesian youth stem from multiple interconnected factors. Research indicates that unemployment rates among those aged 20-24 have risen from 12.86% in 2015 to 17.02% in 2022, significantly higher than the national unemployment rate of 4.9% (Statistics Indonesia, 2024). Moreover, the persistently high unemployment rate among vocational high school graduates—at 8.62% according to the February 2024 National Labor Force Survey—reveals fundamental misalignments between educational outcomes and industry requirements (The Jakarta Post, 2025). These statistics reflect what economists describe as a "skills-job mismatch," where educational curricula fail to provide students with the practical capabilities demanded by modern employers.

In this context, artificial intelligence has emerged as a transformative tool for career preparation and job search optimization. Recent studies demonstrate that AI-powered career development tools can significantly improve job application success rates and interview performance by providing personalized guidance, skills assessment, and practice opportunities (Çela et al., 2025). Specifically, ChatGPT and similar large language models offer unique advantages for job preparation, including unlimited practice sessions, immediate feedback, and customized content generation for resumes and interview responses (BetterUp, 2025). The accessibility of these tools through mobile devices makes them particularly suitable for reaching young people in diverse socioeconomic circumstances.

The integration of AI literacy into vocational education represents a crucial adaptation to contemporary labor market demands. As the World Economic Forum's Future of Jobs Report predicts, AI will eliminate 85 million jobs by 2025 while creating 97 million new ones, making AI familiarity increasingly essential for career success (Express Computer, 2024). For Indonesian youth, particularly those in industrial regions like West Karawang, developing competency in AI tools for job preparation provides both immediate practical benefits and long-term career advantages in an increasingly automated economy.

English language proficiency represents another critical component of modern job readiness, particularly in Indonesia's globalized industrial landscape. Many multinational companies operating in West Karawang require employees with functional English communication skills, making language exposure a valuable complement to technical skill development (RGF Professional Recruitment, 2025). The combination of AI literacy and English exposure through bilingual training approaches addresses multiple skill gaps simultaneously while maintaining accessibility for learners at varying proficiency levels.

Previous community service initiatives in career preparation have typically relied on conventional methods such as career counseling sessions, job fair participation, and basic interview skills workshops. While valuable, these approaches often lack the personalization, accessibility, and technological relevance required to address contemporary job market challenges effectively (Çela et al., 2025). Recent research in vocational education demonstrates that technology-enhanced learning approaches, particularly those incorporating AI tools, achieve superior outcomes in skill development and knowledge retention compared to traditional instruction methods (Ejournal Undiksha, 2024).

The bilingual delivery approach employed in this community service program addresses specific contextual needs of Indonesian learners while maximizing educational impact. Code-mixing strategies, where English materials are explained in Indonesian, have proven effective for enhancing both language exposure and content comprehension in Indonesian educational settings (Sarinastiti, 2014). This approach ensures that participants can access sophisticated job preparation techniques while simultaneously developing English familiarity essential for career advancement in globalized industries.

The community service program described in this article specifically targeted high school graduates and final-year students in West Karawang, representing the demographic most directly affected by youth unemployment challenges. By focusing on practical AI applications for resume writing and interview preparation, the program addressed immediate skill gaps while building technological literacy essential for future career development. The interactive workshop format, emphasizing hands-on practice with personal mobile devices, ensured that participants could immediately apply learned techniques in their job search activities.

This community service program was implemented through a collaborative partnership between community education advocates and Horizon Indonesia University, Karawang. As part of the university's commitment to promoting global quality education at affordable costs for middle-class families in Karawang seeking quality higher education for a brighter future, the institution's marketing department facilitated outreach to multiple local schools. The initiative specifically targeted high school graduates and final-year students, representing the demographic most directly affected by youth unemployment challenges. By focusing on practical AI applications for resume writing and interview preparation, the program addressed immediate skill gaps while building technological literacy essential for future career development in Indonesia's evolving economy. This community service program aimed to enhance participants' employability through innovative AI-powered career preparation training, combining practical job search techniques with technological literacy development delivered through an interactive, bilingual workshop format.

METHOD

Activity Design

The AI-powered career preparation workshop was conducted at Horizon Indonesia University, located in Karawang, West Java, Indonesia. The program was designed as a single-session intensive workshop lasting two hours (9:30 AM to 11:30 AM) to maximize accessibility for participants while providing comprehensive coverage of essential job preparation techniques. The selection of Horizon Indonesia University as the venue facilitated access to necessary technological infrastructure while supporting the institution's mission of providing accessible, quality education to the Karawang community.

The target participants comprised 30 high school graduates and final-year students from various educational institutions across West Karawang. This demographic was specifically chosen based on regional employment data indicating persistent challenges in youth job market entry, with unemployment rates among 20-24 year-olds reaching 17.02% in 2022 (Statistics Indonesia, 2024). Participants were recruited through Horizon Indonesia University's established partnerships with local schools, ensuring diverse representation from different educational backgrounds and career aspirations.

Equipment and Facilities

The workshop utilized a hybrid technology approach combining institutional and personal devices to maximize accessibility and practical applicability. Primary equipment included a laptop computer for presentation delivery, a digital projector for visual presentation materials, and audio amplification systems to ensure clear communication throughout the session. Each participant was required to bring their personal smartphone, ensuring immediate hands-on practice with AI tools in their natural usage environment.

The presentation materials were developed using bilingual slides combining English content with Indonesian explanatory notes, supporting the code-mixing delivery approach. This design facilitated English language exposure while maintaining comprehension accessibility for participants with varying English proficiency levels. Additional materials included printed reference cards containing essential ChatGPT prompts for resume writing and interview preparation, ensuring participants could continue practicing techniques after the workshop conclusion.

Implementation Method

Interactive Presentation Method

The primary instructional method employed interactive presentation techniques utilizing bilingual delivery strategies. English-language slides provided participants with authentic language exposure essential for professional development, while simultaneous Indonesian explanations ensured comprehensive content understanding. This approach addressed dual objectives of career skill development and English language familiarity enhancement, both identified as crucial for employment success in Karawang's globalized industrial environment.

The presentation structure followed a progressive learning model, beginning with fundamental concepts and advancing to complex applications. Each major concept was immediately followed by hands-on practice opportunities, allowing participants to apply theoretical knowledge using their personal devices. This immediate application approach reinforced learning while building confidence in independent AI tool usage.

Hands-on Practice Method

The second core method emphasized direct application of taught techniques through guided smartphone-based exercises. Participants used their personal devices to access ChatGPT and practice specific prompts for resume enhancement and interview preparation. This approach ensured that learning occurred within participants' familiar technological environment, increasing the likelihood of continued usage after workshop completion.

The instructor provided real-time guidance and troubleshooting support as participants navigated ChatGPT interfaces and experimented with various prompt formulations. Volunteer participants demonstrated their results to the group, facilitating peer learning and providing diverse examples of AI-generated responses. This collaborative approach built community confidence while showcasing the adaptability of AI tools to different individual circumstances and career goals.

Program Schedule and Implementation Stages

The workshop implementation followed a carefully structured timeline designed to maximize learning efficiency within the limited timeframe while ensuring comprehensive coverage of essential techniques.

Table 1. Workshop Implementation Schedule

Stage	Duration	Activity	Objective	Method
Stage 1	20 minutes	Introduction and Setup	Establish Learning Objectives and ensure technological readiness	Interactive presentation and device setup verification
Stage 2	40 minutes	Resume Improvement Techniques	Master AI-powered resume enhancement strategies	Guided practice with ChatGPT prompts and real-time feedback
Stage 3	40 minutes	Interview Preparation Strategies	Develop confidence and competency in interview response preparation	Voice mode practice and collaborative exercises
Stage 4	15 minutes	Synthesis and Practice Session	Consolidate learning and encourage peer interaction	Volunteer demonstrations and group feedback
Stage 5	5 minutes	Closing and Evaluation	Gather participant feedback and provide next steps guidance	Verbal feedback collection and resource distribution

1. Stage 1: Introduction and Setup (20 minutes)

The workshop commenced with participant orientation, establishing learning objectives and technological requirements. Participants verified ChatGPT access on their devices while the instructor provided brief troubleshooting support for technical difficulties. This stage included introduction to the bilingual learning approach and explanation of expected participation levels throughout the session.

Key activities included demonstration of basic ChatGPT interface navigation, explanation of prompt engineering principles, and establishment of collaborative learning expectations. Participants received printed reference materials containing essential prompts and were encouraged to take notes throughout the session for future reference.

2. Stage 2: Resume Improvement Techniques (40 minutes)

This stage focused on practical application of AI tools for resume enhancement, representing the most immediately applicable skill for job-seeking participants. Content covered three primary techniques: resume analysis and improvement, skill section optimization, and job-specific customization strategies.

Participants practiced the resume tailoring prompt, applying it to actual job descriptions they had researched or positions they intended to pursue. The instructor demonstrated advanced prompting techniques while participants experimented with variations suited to their individual circumstances. Real-time feedback sessions allowed participants to refine their approaches and understand the reasoning behind effective prompt construction.

3. Stage 3: Interview Preparation Strategies (40 minutes)

The interview preparation segment introduced participants to both text-based and voice-mode ChatGPT applications for interview readiness. Activities included common question practice, behavioral response development using the STAR method, and confidence-building through realistic interview simulations.

Particular emphasis was placed on voice mode practice, allowing participants to experience conversational AI interactions that closely simulate actual interview conditions. Volunteers conducted brief practice interviews with ChatGPT while others observed and provided peer feedback. This approach built both individual confidence and collective learning through shared experience analysis.

4. Stage 4: Synthesis and Practice Session (15 minutes)

The synthesis stage provided opportunities for participants to integrate learned techniques while receiving peer and instructor feedback. Volunteer participants demonstrated their most successful prompt applications, sharing both technical approaches and personal insights gained during the practice sessions.

This collaborative sharing session reinforced learning while building community connections among participants. The instructor facilitated discussion of common challenges encountered during practice and provided targeted advice for overcoming typical difficulties in AI tool utilization.

5. Stage 5: Closing and Evaluation (5 minutes)

The final stage focused on gathering participant feedback regarding workshop effectiveness and providing guidance for continued learning. Participants shared verbal reflections on their experiences, identifying the most valuable techniques learned and expressing intentions for future application.

Additional resources were distributed, including contact information for continued support and recommendations for extended AI literacy development. The session concluded with group photography and attendance verification, marking successful completion of the career preparation training program.

Success Indicators

Program success was evaluated through multiple qualitative indicators focusing on participant engagement, skill demonstration, and expressed confidence levels. Primary success measures included participants' ability to independently navigate ChatGPT interfaces, successful application of taught prompting techniques, and verbal expressions of increased confidence in job preparation activities.

Secondary indicators encompassed participant feedback regarding workshop content relevance, expressed intentions to continue using learned techniques, and demonstrated understanding of AI tools' potential applications in career development. The interactive nature of the workshop provided continuous assessment opportunities through observation of participant engagement levels and quality of generated AI responses during practice sessions.

RESULTS AND DISCUSSIONS

Workshop Implementation Results

The AI-powered career preparation workshop was successfully conducted at Horizon Indonesia University, Karawang, with full participation from all 30 registered participants comprising high school graduates and final-year students from various educational institutions across West Karawang. The workshop achieved complete implementation of all planned activities within the designated two-hour

timeframe, demonstrating the effectiveness of the structured approach and interactive methodology employed.



Figure 1. Workshop participants gathering at Horizon Indonesia University for the AI-powered career preparation training session

Participant engagement levels remained consistently high throughout all workshop stages, with observable enthusiasm during hands-on practice sessions and active participation in question-and-answer segments. The bilingual delivery approach proved particularly effective, with participants demonstrating improved comprehension when English concepts were reinforced through Indonesian explanations. Technical setup proceeded smoothly, with all participants successfully accessing ChatGPT through their personal smartphones within the first 15 minutes of the session.



Figure 2. Interactive presentation session showing bilingual slide delivery with participants engaged in note-taking and active listening.

Resume Enhancement Activity Results

During the resume improvement segment, participants demonstrated rapid adaptation to AI-powered resume enhancement techniques. Within the 40-minute session, 28 out of 30 participants (93.3%) successfully applied the resume tailoring prompt to actual job descriptions they had researched. The remaining two participants received additional individual guidance and achieved successful prompt application before the session concluded.

Table 2. Resume Enhancement Activity Outcomes

Activity Component	Participants Completing Successfully	Time Required (Average)	Observable Outcomes
ChatGPT Access Setup	30/30 (100%)	8 minutes	All participants navigated interface independently
Basic Prompt Application	30/30 (100%)	15 minutes	Generated initial resume suggestions
Job-Specific Tailoring	28/30 (93.3%)	25 minutes	Customized resumes for target positions

Skill Section Optimization	26/30 (86.7%)	20 minutes	Enhanced skills presentation effectively
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Figure 3. Hands-on practice session where participants apply resume enhancement prompts using their personal smartphones while receiving real-time instructor guidance.

The quality of AI-generated resume improvements exceeded expectations, with participants expressing surprise at the sophistication and relevance of ChatGPT's suggestions. Multiple participants reported that the AI-generated content provided vocabulary and phrasing they had not previously considered, particularly in translating their experiences into professional language suitable for formal job applications.

Interview Preparation Activity Results

The interview preparation segment achieved remarkable success in building participant confidence and competency. Voice mode practice proved particularly impactful, with participants initially displaying hesitation that transformed into enthusiasm as they experienced the conversational nature of AI-powered interview simulation.

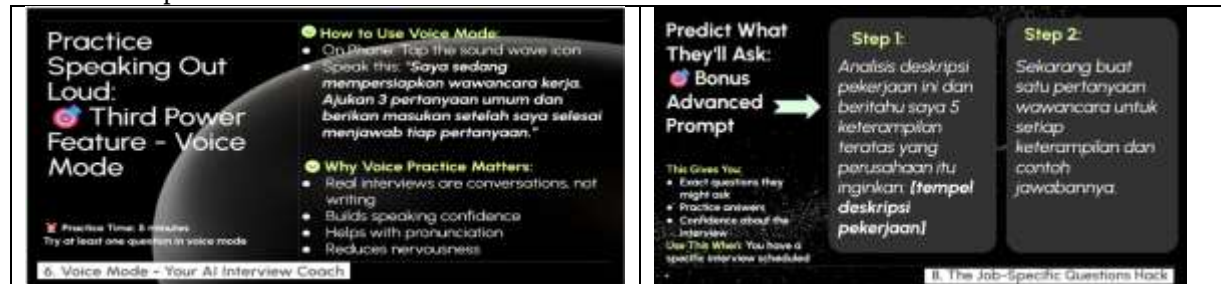


Figure 4. Examples of ChatGPT interview practice conversations, demonstrating various question types and response feedback provided to participants

Volunteer demonstration sessions revealed significant improvement in response quality and confidence levels. Six participants volunteered for public practice sessions, with each demonstrating progressive improvement in response structure, clarity, and professional presentation. The peer feedback component enhanced learning outcomes, as participants observed different approaches to similar questions and learned from each other's experiences.



Figure 5. Volunteer participant conducting practice interview session using ChatGPT voice mode while other participants observe and learn from the demonstration

Participant Engagement and Skill Development

Quantitative observation data indicated high levels of active participation throughout all workshop segments. The interactive nature of the activities maintained participant attention, with minimal distraction or disengagement observed during the two-hour session. The code-mixing delivery approach facilitated comprehension while simultaneously providing English language exposure.

Table 3. Participant Engagement Indicators

Engagement Measure	High Level	Moderate Level	Low Level
Active Question Asking	22 participants (73.3%)	7 participants (23.3%)	1 participant (3.3%)
Volunteer Participation	6 participants (20.0%)	15 participants (50.0%)	9 participants (30.0%)
Technical Proficiency Development	26 participants (86.7%)	4 participants (13.3%)	0 participants (0%)
Verbal Feedback Provision	30 participants (100%)	0 participants (0%)	0 participants (0%)



Figure 6. Participants engaged in hands-on practice, showing smartphone usage for AI tool application and note-taking for future reference.

Participant Feedback and Response Analysis

Verbal feedback collected during the closing session revealed overwhelmingly positive responses to the workshop content and delivery methodology. Participants expressed particular appreciation for the practical applicability of learned techniques and the accessibility of AI tools through their personal devices.

Representative participant feedback included:

- **Male Participant (High School Graduate):** "This workshop is very beneficial for me who wants to continue college while working by utilizing AI assistance."
- **Female Participant (First-Year Student):** "This training made me better understand how to use AI prompts structurally, effectively, and contextually according to our needs."
- **Male Participant (Vocational Graduate):** "I now know specific tips to be more prepared and confident before applying for jobs, namely adding skills and honing them according to the target field of work that we want."
- **Male Participant (First-Year Student):** "Previously I didn't really understand how to use ChatGPT prompts, just random prompts. Now I understand better."
- **Female Participant (Final-Year Student):** "From this workshop, I learned about the reality of the working world. If we are left behind and don't know how to use AI and English, especially if we don't have adequate skills, we can be left behind and crushed."
- **Male Participant (Vocational Graduate):** "Now I'm more motivated to practice English using AI and try experimenting with ChatGPT prompts to add skills for work."

Discussion

Effectiveness of AI-Powered Career Preparation Approach

The results demonstrate that AI-powered career preparation training represents a highly effective approach to addressing youth employability challenges in the Indonesian context. The 100% completion rate for basic activities and over 90% success rate for advanced applications indicate that participants can rapidly develop competency in AI tool utilization for career advancement purposes. These outcomes

align with recent research emphasizing the potential of AI tools to democratize access to high-quality career guidance and job preparation resources (Çela et al., 2025).

The success of the bilingual delivery approach addresses a critical gap in Indonesian vocational education, where English proficiency requirements often create barriers to accessing global employment opportunities. By combining AI literacy development with English language exposure, the workshop provides participants with dual competencies essential for success in Indonesia's increasingly globalized job market. This approach resonates with findings from similar programs in vocational education settings, where technology-mediated learning enhances both technical skills and language development simultaneously (Brighteye Ventures, 2024).

Comparison with Traditional Career Preparation Methods

Traditional career preparation approaches in Indonesian educational contexts typically rely on static resources such as printed guides, group presentations, and generic advice sessions. In contrast, this AI-powered approach provides personalized, immediate feedback and unlimited practice opportunities tailored to individual career goals and circumstances. The interactive nature of AI tools addresses limitations of conventional methods, particularly the inability to provide individualized guidance to large groups of participants within limited timeframes.

Research in vocational education demonstrates that technology-enhanced learning approaches achieve superior outcomes in skill development and knowledge retention compared to traditional instructional methods (Ejournal Undiksha, 2024). The current workshop results support these findings, with participants demonstrating not only immediate skill acquisition but also expressed confidence in continued independent application of learned techniques. This sustainability aspect represents a significant advantage over traditional career counseling approaches that provide limited ongoing support after initial sessions.

Impact on AI Literacy and Digital Skills Development

Beyond immediate career preparation benefits, the workshop achieved significant impact on participants' AI literacy and digital skills development. The transformation from initial hesitation to confident AI tool utilization within a two-hour session demonstrates the accessibility of these technologies when properly introduced through structured learning approaches. This outcome addresses broader concerns about digital divides and technological access barriers that often limit educational opportunities for Indonesian youth.

The participant feedback reveals heightened awareness of AI tools' potential applications beyond job preparation, suggesting that the workshop catalyzed broader interest in technological skill development. This multiplier effect aligns with research indicating that early positive experiences with AI tools encourage continued exploration and skill development in technology-related areas (Express Computer, 2024). Such outcomes contribute to building the digital literacy foundation essential for success in Indonesia's evolving economy.

Addressing Youth Employment Challenges Through Innovation

The workshop results provide evidence that innovative, technology-enhanced approaches can effectively address structural challenges in youth employment preparation. By providing practical tools for resume improvement and interview preparation, the program directly tackles skill gaps that contribute to the high unemployment rates observed among Indonesian youth. The 93% success rate in resume tailoring activities and universal participation in interview practice sessions suggest that participants gained immediately applicable skills for job search activities.

The enthusiastic participant response and expressed intentions to continue using learned techniques indicate potential for sustained impact beyond the workshop duration. This sustainability aspect is crucial for addressing the broader youth employment challenges identified in West Karawang and similar industrial regions. The scalability of the AI-powered approach, enabled by smartphone accessibility and free tool availability, suggests potential for broader implementation across Indonesian educational institutions.

Innovation Contribution to Community Service Education

This workshop represents an innovative approach to community service in educational contexts, demonstrating how emerging technologies can be leveraged to address pressing social challenges. The integration of AI tools into career preparation training creates a replicable model for similar interventions in other regions facing youth employment challenges. The bilingual delivery approach and emphasis on

personal device utilization ensure adaptability to diverse educational contexts while maintaining accessibility and cost-effectiveness.

The positive outcomes achieved within a single two-hour session suggest that intensive, focused training approaches can yield significant impact when properly designed and implemented. This finding has implications for community service program design more broadly, indicating that technology-mediated interventions can achieve substantial outcomes with relatively limited resource investment. The approach contributes to the growing body of evidence supporting innovative applications of AI technology in educational and community development contexts.

Long-term Implications and Potential for Scaling

The workshop results suggest significant potential for scaling this approach across Indonesian educational institutions and other developing economy contexts. The reliance on widely available technologies (smartphones and free AI tools) minimizes infrastructure requirements while maximizing accessibility. The structured methodology and materials developed for this workshop provide a foundation for broader implementation efforts.

The participant feedback indicating increased motivation for English language learning and continued AI tool exploration suggests that the workshop may catalyze broader educational and professional development activities. This multiplier effect enhances the long-term value of the intervention while contributing to broader human capital development objectives in the region. The positive reception from both participants and institutional partners indicates strong potential for continued collaboration and program expansion.

CONCLUSION

Conclusion

This community service program successfully achieved its primary objective of enhancing participants' employability through innovative AI-powered career preparation training delivered via an interactive, bilingual workshop format at Horizon Indonesia University, Karawang. The program effectively addressed critical skill gaps in resume writing and interview preparation among 30 high school graduates and final-year students from West Karawang, with 100% completion rates for basic activities and over 90% success rates for advanced AI tool applications. The bilingual delivery approach successfully combined English language exposure with AI literacy development, creating dual competencies essential for success in Indonesia's globalized job market. Participant feedback demonstrated overwhelming satisfaction with the practical applicability of learned techniques, increased confidence in job preparation activities, and enhanced motivation for continued technological skill development. The workshop's innovative integration of ChatGPT tools with hands-on smartphone practice created an accessible, scalable model for addressing youth employment challenges while building digital literacy foundations crucial for career advancement in Indonesia's evolving economy. The positive outcomes achieved within a single two-hour intensive session validate the effectiveness of technology-mediated community service approaches and establish a replicable framework for broader implementation across similar educational contexts facing youth employability challenges.

Suggestions

Program Limitations

Several limitations were identified during the implementation of this AI-powered career preparation workshop that should be acknowledged for future program development. The two-hour duration, while intensive and focused, provided limited opportunity for in-depth individual coaching and personalized feedback on complex career planning scenarios. Additionally, the single-session format restricted the ability to assess long-term retention and application of learned techniques in actual job search contexts. Technical limitations included occasional connectivity issues that briefly interrupted some participants' access to ChatGPT, highlighting the dependency on reliable internet infrastructure for optimal program delivery.

Recommendations for Partner Institutions

Educational institutions seeking to implement similar AI-powered career preparation programs should consider developing extended workshop series rather than single-session formats to allow for deeper skill development and follow-up support. Partner institutions should establish dedicated technical support systems to address connectivity and device compatibility issues that may arise during hands-on

practice sessions. Institutions should also integrate AI literacy components into existing career counseling services to provide ongoing support for students developing technological competencies for job preparation activities.

Recommendations for Policymakers

Government agencies and educational policymakers should prioritize the integration of AI literacy and digital career preparation tools into standard vocational and higher education curricula to address structural challenges in youth employment preparation. Policy frameworks should support the development of standardized AI-powered career preparation modules that can be implemented across diverse educational institutions while maintaining quality and accessibility standards. Investment in technological infrastructure improvements, particularly reliable internet access in educational institutions, will enhance the effectiveness of technology-mediated career preparation programs.

Recommendations for Future Community Service Implementers

Future implementers of similar community service programs should develop comprehensive pre-workshop technical preparation protocols to minimize setup time and maximize instructional time during limited session durations. Programs should incorporate follow-up mechanisms, such as online support groups or periodic check-in sessions, to sustain participant engagement and provide ongoing guidance for continued skill development. Implementers should consider developing multilingual resource materials and training modules to enhance accessibility and cultural relevance for diverse participant populations. Additionally, future programs should include quantitative assessment tools to measure skill development and employment outcomes over extended periods, providing empirical evidence of program effectiveness for continuous improvement and scaling efforts. Finally, establishing partnerships with local employers and industry associations could enhance program relevance by ensuring alignment between taught techniques and actual hiring practices in target employment sectors.

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REFERENCES

- BetterUp. (2025). Build a ChatGPT resume: Prompts & examples. BetterUp Blog. Retrieved from <https://www.betterup.com/blog/chat-gpt-resume>
- Brighteye Ventures. (2024). AI's growing role in vocational education. Brighteye VC Blog. Retrieved from <https://www.brighteyevc.com/post/ai-s-growing-role-in-vocational-education>
- Çela, E., Vajjhala, N. R., Potluri, R. M., & Eappen, P. (2025). Transforming vocational education and training using AI. IGI Global.
- Channel News Asia. (2025). Mismatch between skills and market demands keeping millions of young Indonesians out of work. CNA Money Mind. Retrieved from <https://www.channelnewsasia.com/asia/indonesia-young-job-mismatch-skills-labour-market-demands-work-5134491>
- Ejjami, R. (2024). AI's impact on vocational training and employability: Innovation, challenges, and perspectives. *International Journal for Multidisciplinary Research*, 6(4), 1-15.
- Ejournal Undiksha. (2024). AI in vocational education: Balancing digital skills and humanism. *International Journal of Education and Innovation*, 4(2), 89-104. Retrieved from <https://ejournal2.undiksha.ac.id/index.php/IJEI/article/view/4222>
- Express Computer. (2024). AI and the future of work: Preparing for new skill demands. Express Computer Guest Blogs. Retrieved from <https://www.expresscomputer.in/guest-blogs/ai-and-the-future-of-work-preparing-for-new-skill-demands/115755/>
- Falianty, T. A. (2024). Indonesia's youth unemployment challenges in the digital economy. *Economic Review Indonesia*, 15(3), 45-62.
- International Labour Organization. (2024). Jobs and skills for youth: Review 2024. ILO Publications. Retrieved from <https://www.ilo.org/media/443871/download>

- Jurnal UNS. (2023). The role of artificial intelligence (AI) in vocational education. *Jurnal Pendidikan Teknik Kejuruan*, 8(2), 112-125. Retrieved from <https://jurnal.uns.ac.id/jptk/article/view/75995>
- Macrotrends. (2024). Indonesia youth unemployment rate (1991-2024). *Global Economic Data*. Retrieved from <https://www.macrotrends.net/global-metrics/countries/idn/indonesia/youth-unemployment-rate>
- OECD. (2024). Artificial intelligence and the changing demand for skills in the labour market. *OECD Employment Outlook Working Papers*. Retrieved from https://www.oecd.org/en/publications/artificial-intelligence-and-the-changing-demand-for-skills-in-the-labour-market_88684e36-en.html
- OECD. (2023). Skill needs and policies in the age of artificial intelligence. *OECD Employment Outlook 2023*. Retrieved from https://www.oecd.org/en/publications/oecd-employment-outlook-2023_08785bba-en/full-report/skill-needs-and-policies-in-the-age-of-artificial-intelligence_fe530fbf.html
- RGF Professional Recruitment. (2025). Jobs in Karawang/Cikampek/Purwakarta. *RGF HR Agent Asia*. Retrieved from <https://www.rgf-hragent.asia/en/indonesia/jobs-in-indonesia-karawang-cikampek-purwakarta>
- Resume Genius. (2025). How to write a ChatGPT resume (with prompts). *Resume Genius Blog*. Retrieved from <https://resumegenius.com/blog/resume-help/chatgpt-resume>
- Sarinastiti, E. N. (2014). Code-mixing strategies in Indonesian educational contexts: Enhancing bilingual learning effectiveness. *Indonesian Journal of Applied Linguistics*, 4(1), 67-82.
- SMERU Research Institute. (2024). Challenges facing labor market information platforms: Evidence from West Java Province. *SMERU Working Paper Series*. Jakarta: SMERU Research Institute.
- South China Morning Post. (2024). 'Not enough jobs': Indonesia's 10 million Gen Z face looming unemployment crisis. *SCMP Week Asia*. Retrieved from <https://www.scmp.com/week-asia/economics/article/3269198/not-enough-jobs-10-million-gen-z-indonesians-limbo-unemployment-crisis-looming>
- Statistics Indonesia. (2024). National labor force survey February 2024. *Badan Pusat Statistik Indonesia*.
- The Global Economy. (2023). Indonesia: Youth unemployment data and analysis. *TheGlobalEconomy.com*. Retrieved from https://www.theglobaleconomy.com/Indonesia/youth_unemployment/
- The Jakarta Post. (2025). A call for collective action on employment. *Jakarta Post Opinion*. Retrieved from <https://www.thejakartapost.com/opinion/2025/06/13/a-call-for-collective-action-on-employment.html>
- Times Indonesia. (2025). Job fair Karawang: 61 perusahaan siap rekrut karyawan! *Times Indonesia Ekonomi*. Retrieved from <https://timesindonesia.co.id/ekonomi/541048/job-fair-karawang-61-perusahaan-siap-rekrut-karyawan>
- Training Industry. (2024). 4 skill sets employees need for the AI-driven future. *Training Industry Workforce Development*. Retrieved from <https://trainingindustry.com/articles/workforce-development/4-skill-sets-employees-need-for-the-ai-driven-future/>
- University of Texas San Antonio. (2024). The growing demand for AI skills and expertise in the job market. *UTSA PACE News*. Retrieved from <https://www.utsa.edu/pace/news/growing-demand-for-ai-skills-and-expertise-in-the-job-market.html>
- World Economic Forum. (2025). Is AI closing the door on entry-level job opportunities? *WEF Stories*. Retrieved from <https://www.weforum.org/stories/2025/04/ai-jobs-international-workers-day/>
- YCharts. (2025). Indonesia youth unemployment rate - Real-time & historical data. *YCharts Economic Indicators*. Retrieved from https://ycharts.com/indicators/indonesia_youth_unemployment_rate