

Supplement A. Questionnaire of the IT and AI in child health education

FOR TEACHING STAFF

Date of Survey Completion :
Initial :
Gender :
Date of Birth :
Work Experience as Teaching Staff (years) :
Level of Education : Specialist or Magister / Subspecialist / PhD
Institution :

I. INTRODUCTION

Information technology (IT) in general is the use of computer and communication tools to provide assistance for human tasks. Currently, this technology has integrated components of artificial intelligence (AI) as technology that has the ability to learn and perform tasks that require intelligence. One example of this technology is computers that are able to beat human in a game of chess. In the medical field, the use of AI developed to read children’s bone age radiologically. In medical education, information technology uses AI to assist the learning process and evaluation of the medical students.

The Indonesian Pediatric Society is currently conducting research on the Preparedness of Teaching Staff and Pediatric Residents in Utilizing Artificial Intelligence (AI) in Pediatric Education in Indonesia. This study is conducted to gain perspective and feedback from teaching staff and pediatric residents on the use of technology, particularly AI, in medical education program. By participating in this survey, participants have contributed to the advancement of pediatric education in Indonesia.

Every piece of data provided will be analyzed in a generalized manner for research purposes, ensuring confidentiality and anonymity in completing this questionnaire. The researchers guarantee the confidentiality and anonymity of your responses.

The answers in this questionnaire will not be judged as right or wrong, so please respond according to the actual circumstances and perspectives. After completing each section, please review the answers to ensure completeness, avoiding any omissions. To facilitate the responses, please read the provided instructions before proceeding.

Participation in this research is voluntary and without coercion. Participants have the right to refuse, withdraw, or discontinue the participation in this study at any time without facing any negative consequences. Your participation is invaluable to our research. We express our gratitude for your willingness to help in this study.

Best Regards
Research Team

II. INFORM CONSENT

Based on the information given, i understand and hereby agree to be included in this study

Please sign here

Initial : _____
Date : _____

III. SURVEY

Instructions: Choose the most appropriate answer according to your belief.

1. I understand the definition of IT

- Strongly Agree Agree Neutral Disagree Strongly Disagree

2. IT system makes it easier to teach theory

- Strongly Agree Agree Neutral Disagree Strongly Disagree

3. IT system makes it easier to teach skill

- Strongly Agree Agree Neutral Disagree Strongly Disagree

4. IT system are often difficult for me

- Strongly Agree Agree Neutral Disagree Strongly Disagree

5. IT increases the risk of medical ethics violation

- Strongly Agree Agree Neutral Disagree Strongly Disagree

6. I understand the definition of AI

- Strongly Agree Agree Neutral Disagree Strongly Disagree

7. During pediatric education, I have taught using AI technology

- Strongly Agree Agree Neutral Disagree Strongly Disagree

8. AI technology disrupts the learning process in Child Health Science

- Strongly Agree Agree Neutral Disagree Strongly Disagree

9. AI technology increases the risk of medical ethics violation

- Strongly Agree Agree Neutral Disagree Strongly Disagree

10. AI technology encourages pediatricians to be more confident

- Strongly Agree Agree Neutral Disagree Strongly Disagree

11. Learning with AI technology will reduce clinical teaching doctors

- Strongly Agree Agree Neutral Disagree Strongly Disagree

12. Learning evaluation using AI technology is better than direct evaluation by humans

- Strongly Agree Agree Neutral Disagree Strongly Disagree

13. I am ready with the implementation of IT as part of learning instrument in Child Health Science

- Strongly Agree Agree Neutral Disagree Strongly Disagree

14. I am ready with the implementation of AI as part of learning instrument in Child Health Science

- Strongly Agree Agree Neutral Disagree Strongly Disagree

15. IT and AI technology causes no domination between institutions and individuals in Child Health Science

- Strongly Agree Agree Neutral Disagree Strongly Disagree

16. I am willing to share the data between institutions to support the development of IT and AI technology

- Strongly Agree Agree Neutral Disagree Strongly Disagree

Thank you very much for your participation in this research

FOR PEDIATRIC RESIDENTS

Date of Survey Completion :
Initial :
Gender :
Date of Birth :
Level of Residency (Semester) :
Institution :

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