ABSTRACT

The acceleration of digital transformation in various fields provides various benefits in terms of productivity, effectiveness, and accessibility. Hence, there is a pressure to harness the potential of digitalization in healthcare to improve the quality, convenience, and efficiency of healthcare services. The Indonesian Ministry of Health through the Central Transformation Office is making progressive efforts to digitally transform the healthcare sector in Indonesia. A blueprint for digital transformation strategy for healthcare has been developed that describes in detail how the digital transformation of healthcare in Indonesia will be carried out. However, in the scope of human resource development, there is no standard framework that measures the digital capabilities of medical and health workers as the frontline of health services in Indonesia. Without a digital health capability framework, policy makers in Indonesia's health digitalization cannot evaluate the individual digital capablities of medical and health workers. On the other hand, digital capability evaluation is a critical factor in ensuring that medical and health workers to have adequate capabilities in supporting the digital transformation of Indonesian health. To respond this need, this research utilizes the Design Science Research Methodology for Information Systems to design an Indonesian Digital Health Capability Framework (Data and Information Literacy and Technology Proficiency Domains). The results of this research include the draft of the framework domains, framework subdomains, framework indicators, and proficiency level of the framework. Based on consensus from the experts, all indicators of the framework are valid to be implemented in the scope of medical workers and health workers in Indonesia. With the Indonesian Digital Health Capability Framework (Data and Information Literacy and Technology Proficiency Domains), it is expected that the digital transformation strategy of Indonesian health is supported by a valid measuring tool to determine the digital capabilities, especially in data literacy, information literacy and technology skills of Indonesian medical and health workers.

Keywords— ***Framework, Design Science, Data Literacy, Information Literacy, Technology Proficiency***