

## **ABSTRACT**

### ***DESIGNING ADAPTIVE INFORMATION TECHNOLOGY INFRASTRUCTURE USING PPDIIO METHOD TO SUPPORT PUSKESMAS MANAGEMENT INFORMATION SYSTEM IMPLEMENTATION***

***(Case Study : Puskesmas Jatilawang)***

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*Puskesmas as one of the spearheads of health services, in this current era requires technological assistance to facilitate the service process and input medical record data. In addition, the use of technology also makes it easier for officers in the process of reporting and managing patient data. One of the technologies used is the Puskesmas Management Information System or SIMPUS. However, to support the information system, an IT infrastructure is needed. The IT infrastructure at the Jatilawang Health Center is currently good but still not optimal to support its performance, besides that it does not yet have a backup link if one day there is a connecting line damage that results in network failure. This study aims to design an adaptive IT Infrastructure to support such information systems and similar applications in the future. The infrastructure was designed using the PPDIIO method but only carried out until the design stage. The result of this research is an adaptive IT infrastructure design.*

**Keywords: SIMPUS, Adaptive IT Infrastructure, PPDIIO Method.**