

ABSTRACT

REDESIGN OF THE BMKG CENTER OFFICE AND COMMUNICATION NETWORK IN JAKARTA WITH TECHNOLOGICAL APPROACH

The BMKG office is a Non-Ministerial Government Institution in Indonesia, functioning as a public service office that provides information about weather, climate, and natural disasters. This BMKG office consists of several separate buildings, each of which is filled based on divisions corresponding to their respective fields. This design will focus on a building occupied by two Divisions from the Instrumentation, Calibration, Engineering, and Communication Network Division, namely the Database Division and the Communication Network Division. This office building plays a crucial role as an information and communication technology infrastructure to support BMKG's needs in providing information regarding Meteorology, Climatology, and Geophysics (MKG) to the public. However, despite being a part of the technological infrastructure, in reality, the building has not yet implemented facilities and infrastructure that can support user activities from a technological perspective and has not met the standards set by the Minister of Finance Regulation Number 248/PMK.06/2011 regarding space area, which impacts room capacity. Therefore, there is a need for a technology-based workspace design to support users when working within space limitations, especially given that this is an IT office where its users engage in managing all aspects of information technology. The design approach that will be employed to provide a solution in this design is a technology-appropriate approach that encompasses a smart office, which will facilitate users' activities in their workspace.

Keywords: Appropriate technology, smart office, Government Institutions, BMKG