

ABSTRACT

In the current era, advancements in information technology are continually evolving to meet the growing human need for convenience, speed, and accuracy in obtaining information. Consequently, continuous improvements in information technology are essential to enhance both its quality and quantity. The utilization of wireless networks is indispensable for facilitating data exchange without the requirement of physical cables. In daily practical applications, this type of network is frequently employed within companies to simplify access to information shared within the company's network, as exemplified by PT. Aspros Binareka. With over 35 years of experience in the consulting field, this national private company based in Bandung is poised for expansion and development, particularly in the realm of networking. This research will focus on the network design process at PT. Aspros Binareka using the NDLC (Network Development Lifecycle) methodology. The ultimate objective of this study is to explore the NDLC method in identifying a suitable network design that aligns with the operational requirements of PT. Aspros Binareka. Through this research, it is anticipated that PT. Aspros Binareka will experience enhanced growth, especially through the development of a network architecture that can catalyze the advancement of operational processes within the company..

Keywords — Network, Development, NDLC, Network Architecture