

ABSTRACT

Telecommunications technology of nirkabel base on CDMA growth. By increasing of user, hence network burden also will increase so that if at one time network unable to overcome the the burden hence can be enabled by network of " down". To anticipate mentioned hence provider have to be optimal network so that network which have there is can give maximal service. With this optimise is expected can realize demand of user which always wish to get perfect service. To conduct program of CDMA2000 1x Optimization utilizing to improve service to Flexi customer, PT Telkom Divre III cooperate with PT. INTI. In network of Flexi, performansi which wish to be reached to be to be expressed with KPI (Key Performance Indicator). Efficacy in attainment of goals of KPI of course is not quit of how technological performance of CDMA2000 1x Optimization applied by PT. INTI. So that the intention of this research is wishing to know how far technological content of CDMA2000 1x Optimization PT. INTI by using model of teknometrik UN-ESCAP (Asian United Nation-Economic Social Commission for Asian and Pacific).

Problem solving phase begin with identifying the main item of technology component embedded in CDMA2000 1x Optimization, continued with specifying criteria and assessment procedure, and identifying the relevant respondent. Technometric model is implemented in this phase. After the identification phase, data is collected through three kinds of questionnaire, which is Degree of Sophistication, State of the Art (SOA) questionnaire, and Paired Comparison Metric questionnaire. All questionnaires specified and filled based on relevant respondent justification.

The result of this research divide based on the problem solving phase. First, technology compounds of four main components which are Technoware, Humanware, Inforware, and Orgaware. Technoware divide into more specific item which are drive test, optimization and implementation. Second, Humanware also divide into three structural level of organization, which consist of Manager, Assistant Manager, and Staff. Based on the assessment of four main technology components, it shows that Inforware has the highest contribution into total transformation process from input into output (0. 853). The second high contribution is Technoware (0. 831), and which come next are Humanware (0. 758) and Orgaware (0. 652). While in contribution intensity, Humanware has the highest rank (0. 294), Technoware and Orgaware (0.248), and Inforware (0.210).

Considering the research results and the rank of CDMA2000 1x Optimization technology coefficient contribution, Division Multimedia, especially Division Engineering JTT PT INTI should bring an effort to increase the technology contribution coefficient which refers to the improvement priority recommendation, that are Inforware, Humanware, Technoware, and Orgaware. The efforts should also consider balancing contribution each component of technology in order to achieve maximum contribution.

Keywords: CDMA2000 1x Optimization, Technometric, Technology Component, Degree of Sophistication, State of the Art, Technology Contribution

