

## Analisis Pengaruh Rx Level Terhadap Kecepatan Download Data Pada Teknologi GPRS di PT XL Axiata Tbk. Purwokerto

<b>Title</b>	Analisis Pengaruh Rx Level Terhadap Kecepatan Download Data Pada Teknologi GPRS di PT XL Axiata Tbk. Purwokerto
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<b>Accreditation</b>	
<b>Abstract</b>	Data transfer speed on GPRS™s technology is affected by the present of some obstacles between sender™s side and recipient™s side. Those obstacles cause propagation loss that affect the reduction of power level value (rx level). The reduction will affect the data speed. The lower rx level™s value means the lower data speed. This research was done by doing drive test on BTS North Purwokerto and BTS Tambaksogra to measure the amount of power measured (Pr) and the download data speed on GPRS™s network. The measured power level (Pr) was normalized to get rx level value. Regression analysis was done to get the relation between the download speed and the rx level value. The analysis has resulted in a model: download speed = 4.1 (rx level) <sup>0.459</sup> , with R <sup>2</sup> = 0.380. Correlation analysis shows high correlation between rx level and download speed (r = 0.608).
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