Analisa Throughput S-Aloha CDMA dengan Differensial MRC pada Dua Model Fading

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Abstrak

Throughput S-ALOHA CDM4 using technique of diversities MRC differential detected with L branch antenna has been analyzed Desired signal will be intercepted then combined and also analyzed the influence of co channel interference. By using two different model of fading between desired signal and interference signal, throughput can he analyzed under channel condition of Nakagami/ Nakagami and Rician/Nakagami. MRC diversities and differential detection (DPSK) with L branch antenna are used on receiver to overcome multi path fading interference and to increase the system performance. From the result indicating the use of L branch antenna at receiver make .system throughput becomes better The higher the amount of interference signals the worse throughput system. The bigger Nakagami parameter m, and Rician factor, K, of the desired signal and interference signal the better the throughput.