BPSK OFDM over AWGN & IN channel, (p= 0.1,  $\sigma_n^2$  = 1000 $\sigma_w^2$ ) 10<sup>0</sup> FFT(Simulation) haar(Simulation) db2(Simulation) bior4.4(Simulation)  $10^{-1}$ AWGN only(Theoretical) BER 10<sup>-2</sup> | 10<sup>-3</sup>  $10^{-4}$ 5 10 15 20 25 30 35 SNR, dB