

RESULTS

- ❖ Mean Squared Error: 0.0065
- ❖ Peak Signal-to-Noise Ratio (PSNR): 21.87 dB
- ❖ Structural Similarity Index (SSIM): 0.5015

The mean filter effectively reduced noise (MSE of 0.0065), leading to a moderate improvement in overall image quality (PSNR of 21.87 dB). However, the relatively low Structural Similarity Index (SSIM of 0.5015) indicates that while noise was suppressed, significant structural details and image sharpness were compromised due to the blurring effect of the mean filter.