

# Researching Noise Pollution, Sri Arttini Gained Doctoral Title

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In her dissertation entitled *Exploration of Noise Reducer System* is expected to reduce vehicle's noise optimally. "Besides, other wanted sounds can be heard clearly," she explained.

Further, the lady born in Yogyakarta on 20 February 1965 said that the noise remover system should be conducted adaptively in concordance with the fluctuating noise characteristics. Basically, Least Mean Square (LMS) algorithm is the basis of simplest noise remover based on minimum mean squared error besides Normalized Least Mean Square (NLMS) and Recursive Least Square (RLS).

According to the wife of Drs. Lilik Wijoroso, the hardware used for the noise remover system should have high computation speed. With the high computation system, the noise remover system from a vehicle can complete adaptation far before the sound of others is heard. "Each parameter weight of vehicle's noise must also be available in buffers, so each vehicle's characteristics can be recognized," explained the 1,225th doctor of UGM.

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