

Low-Cost DIY Anemometer based on LabVIEW interface for Arduino

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An anemometer was fabricated from a low-cost material in a DIY (Do it yourself) process. It was composed of the rotating vane (it was modified from cooler CPU) which was installed with speed sensor on it. Then, it was connected with Arduino board and controlled by LabVIEW program. This anemometer was called Anemometer based on LabVIEW interface for Arduino (ALA) model. Then, an ALA was calibration compared with a hand-held standard anemometer (TECPEL model of AVM-702) of the velocity measurement of wind (V_w) 0.6-4.7 m/s from the wind source. It was found that an ALA had the discrepancy about 9.72 %. An ALA has low cost and was easily DIY fabricated for application in Physics Education Lab at a high school in future.

Primary author: Dr THEPNURAT, Meechai (Chiang Rai Rajabhat University)

Co-authors: TONG-ON, anusorn (CRRU); SAPHET, Parinya (CRRU)

Presenter: Dr THEPNURAT, Meechai (Chiang Rai Rajabhat University)

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