

## Bicycle wheel truing system

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### Abstrak

Stability of wheel is very important for safety and comfort in riding a bike. For that reason, the project objective was to make a sensor that can perform wheel stability testing. To achieve the project objective, strain gauge were used. Strain gauges have the ability to measure very small changes in the length of a piece material. They are used to detect stress in structures. The strain gauges are glued to the side of a piece of metal or strain bar. When the strain bar is placed under stress it will changes its resistance. As a result of attaching strain gauges to strain bar, it will be applicable to use for both the eccentricity and for the side wobble of the wheel.