



ABSTRACT

This study is about the investigation of the air quality if Highway within Dasmariñas, Cavite based on dust accumulation, specific leaf area, and stomatal characteristics. The study made use of the abundant ornamental plants found along the road sides namely; *Lagestroemia speciosa* L. (Banaba) and *Spathodea campanulata* Beauv. (African Tulip): Based on the result, the site where *L. speciosa* were located has more dust concentration during summer as interpreted on its dust accumulation and specific leaf area, whereas the site where *S. campanulata* has more dust concentration during rainy season. However, there are no significant differences on the stomatal behaviour in between seasons and species. The results were affected by the individual physiology of the leaf structures and nutrients per area.

