

**Research Title** Measurement of Total Dust Distribution in Amphur Muang, Surat Thani Province

**Author** Ms. Siriporn Auisui

**Faculty** Science and Technology

**Year** 2010

### **Abstract**

This work is to study the total dust distribution in Amphur Muang, Surat Thani province area. The samples were considered from crowded population and traffic jam. Total dust data were measured in March and April, 2010 using dust pumping technique with 0.5 micropore of filter paper. The geometric mean of total dust was found in the range of 0.11 – 2.10 mg/m<sup>3</sup>. The highest and lowest values were found at the main entrance of Theppamitsoeksa School and at the main entrance of Suratthani Rajabhat University, respectively. These results confirmed that the total dust distribution depend on crowded population and traffic jam. Moreover, the construction area may affect on the total dust distribution. However, the total dust distribution in Amphur Muang, Surat Thani province is in the safety level compared to the standard value reported by Pollution Control Department in 2010.