

SOURCE & SOLUTION OF AIR POLLUTION

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Abstract

During the last 5 years there is a remarkably increased in number of the density of motor vehicles as well as the oil energy consumption (CBS, 1989). This may indicate the increase of sources of air pollution, which in turn followed by increase in number of air pollutants. An example the figure on the number of motor vehicles (cars) shows that, in 1977 and 1980 there were 2.811.367 and 3.871.557 registered, in 1985 and 1986 there are 6.828.697 and 7.308.434. cars registered. Sixty four percent (64%) were in the island of Java. (CBS, 1985, 1987). Jakarta, with Among air pollutants which were measured i.e CO, SO₂, NO₂, NH₃, O_x, H₂S, their ambient level were below the AQS. Except for SO₂ which was recorded at industrial, traffic, trading and at settlement areas.

The measurements were done once a week, 24 hours a day, from 1982 to 1985 and 1986 to 1989. The available data indicated that although there were level of fluctuations, there is tendency for slight increase of the level of air pollutants in the area measured. The increase for period of 1982-1984 was followed by period 1986-1989. It was forecasted that, unless action is implemented, the all 6 parameters air pollutant will reach or cross the line for air quality standard level, by 5 to 10 years (Achmadi, 1990).

The air pollutant such as suspended particulate matter, SO₂ and NO₂ has potential hazards in many places in certain points of measurement in most cities, as the records showed that some point are having levels above the AQS level. More over the air pollutant not only tend to be increasing, yet some of the pollutant already above the standard level (P4L, 1988).

In Indonesia, the pollution control are conducted in several ways, among others by the Decree No. 4 of 1982 Concerning the main regulations for the management of the living environment, the Decree No. 14 of 1992 concerning Traffic and Transportation, and the Ministerial Decree No. 2/MENKLH/ 1988 concerning the guidelines of environmental standards.