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ANALYSIS OF THE DISTRIBUTION OF AIR POLLUTANTS USING THE AERMET METEOROLOGICAL MODEL AND THE GAUSSIAN DISPERSION MODEL

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Abstract

Air pollution is a condition where air quality decreases and is contaminated with substances, and if these substances are dangerous or not dangerous, they can cause human health problems. One type of pollutant that needs to be considered is air pollution due to the operation of machines. Machine operation using Palm Shells, and diesel fuel for factory operations. As a result, the operation of the engine produces several exhaust gases such as Nitrogen Dioxide (NO_2), Sulfur Dioxide (SO_2), Particulates (PM), and Mercury (Hg). To find out the distribution pattern of chimneys, you can use the Aermod View software, and data processing is needed on Aermap. In this study, the meteorological data analysis method was used with the data input system in the Aermod View software. The purpose of this study is the analysis of meteorological data for Aermod View software input. The data obtained is meteorological data

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