

Analisis Sifat-Sifat Udara Proses pada Rotary Desiccant Dehumidifier

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Abstrak

Properties of air flow passing out from rotary desiccant dehumidifier can be analyzed by either experimental or theoretical method in this case an experiment method was selected using Lithium Chloride (LiCl) as a desiccant. The flow rate of air at the input is varying for process air and regeneration air, and the moisture content at process air input also adjusted by using a water sprayer.

The data consisting of dry and wet bulb temperature of air is to be collected in order to find wet air properties, and flow rate of wet air flowing through the humidifier. The result of this experiment gives curves denoting properties of the outlet process air at the room temperature of 25°C These curves then can be used as a comparable data for characteristics of various dehumidifiers.