

Abstrak

Telah dilakukan penelitian tentang polarisabilitasi bahan dielektrik KH_2PO_4 dengan perubahan temperatur dan konsentrasi. Penelitian tersebut meliputi konstanta dielektrik, konsentrasi, dan polarisabilitas KH_2PO_4 terhadap pengaruh temperatur.

Dengan menempatkan KH_2PO_4 diantara pelat sejajar dan diberi tegangan, KH_2PO_4 akan terpolarisasi kearah medan. Selanjutnya diberi variasi temperatur untuk beberapa konsentrasi.

Hasil penelitian menunjukkan bahwa polarisabilitas KH_2PO_4 bersifat non linear terhadap perubahan temperatur.



Abstract

There has been a research about polarization of dielectric material KH_2PO_4 using temperature change. The research evaluated dielectric constant, concentration, and polarisation of KH_2PO_4 due to temperature change.

By placing KH_2PO_4 between two charged coaxial plates, it will be polarized directed to the field. Then the temperature is changed for other concentration.

The result shows that polarization of KH_2PO_4 is non linear to the temperature change.

