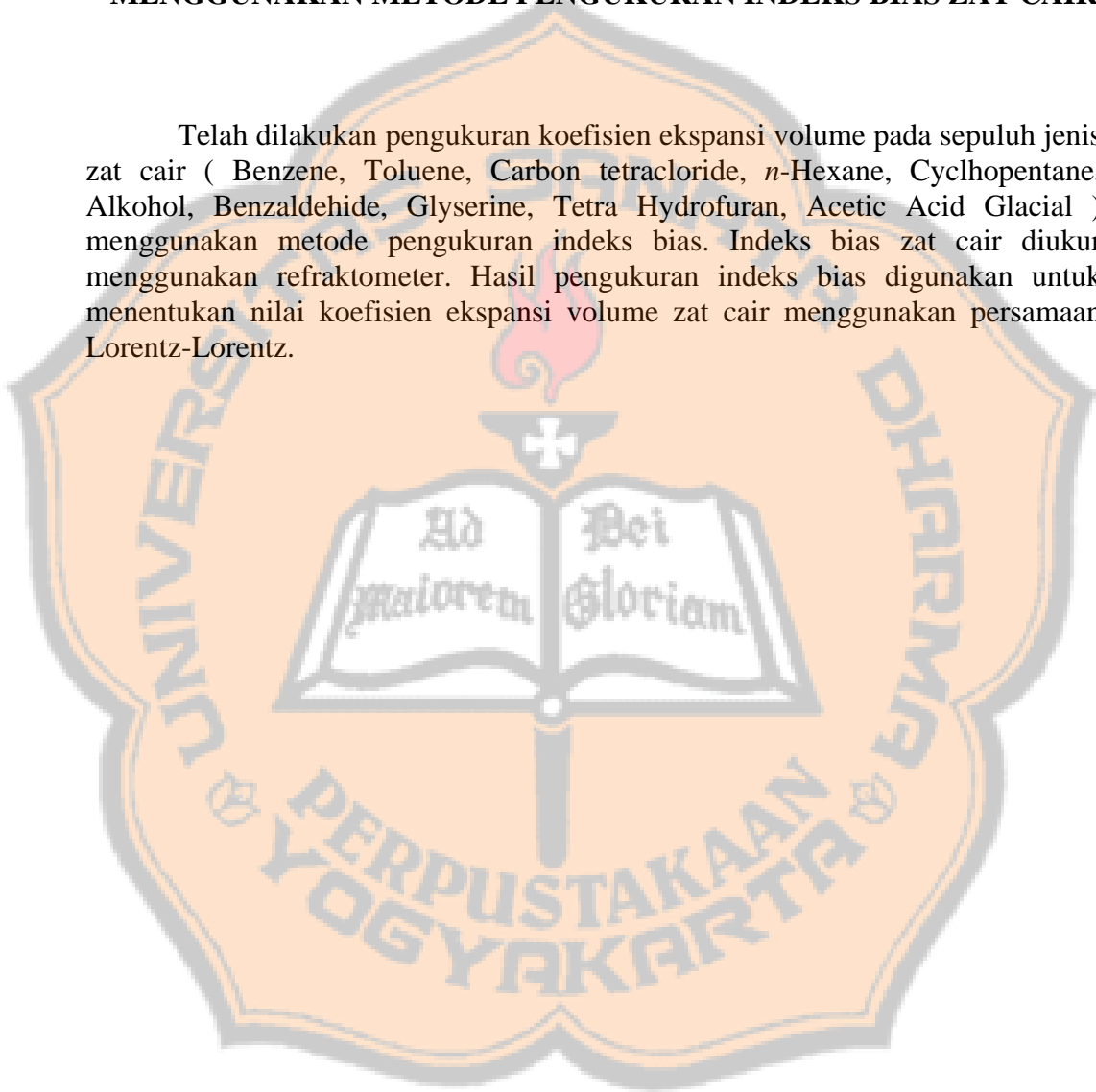


INTISARI

PENENTUAN KOEFISIEN EKSPANSI VOLUME ZAT CAIR MENGUNAKAN METODE PENGUKURAN INDEKS BIAS ZAT CAIR

Telah dilakukan pengukuran koefisien ekspansi volume pada sepuluh jenis zat cair (Benzene, Toluene, Carbon tetrachloride, *n*-Hexane, Cyclopentane, Alkohol, Benzaldehyde, Glycerine, Tetra Hydrofuran, Acetic Acid Glacial) menggunakan metode pengukuran indeks bias. Indeks bias zat cair diukur menggunakan refraktometer. Hasil pengukuran indeks bias digunakan untuk menentukan nilai koefisien ekspansi volume zat cair menggunakan persamaan Lorentz-Lorentz.



ABSTRACT**DETERMINATION OF LIQUIDS VOLUME EXPANSION COEFFICIENT
USING REFRACTIVE INDEX MEASUREMENT METHODS**

The measurement of volume expansion coefficient for ten kinds of liquids (Benzene, Toluene, Carbon tetrachloride, Carbon tetrachloride, *n*-Hexane, Cyclopentane, Alcohol, Benzaldehyde, Glycerine, Tetra Hydrofuran, Acetic Acid Glacial) have been performed using the measurement of the refractive index. The refractive index of liquids are measured using refractometer. The refractive index measurement result are used to determine the value of the liquids volume expansion coefficient using Lorentz-Lorentz equation.

