

LAMPIRAN B PERHITUNGAN

B.1 Perhitungan % *Bioethanol*

Diketahui : Y = Luas Area Produk *Bioethanol* :

- a. Hari ke 2 : 54836231
- b. Hari ke 3 : 63857714
- c. Hari ke 4 : 76742456
- d. Hari ke 5 : 107102114
- e. Hari ke 6 : 63834869

$$Y = 2097631,41 X - 13348598,50$$

Rumus di dapat dari persamaan grafik larutan *standart absolute* pada lembar lampiran hasil pengujian Kromatografi Gas.

Ditanya : X = % *Bioethanol*

Jawab :

- a. % *Bioethanol* (hari ke 2)

$$Y = 2097631,41 X - 13348598,50$$

$$\begin{aligned} X &= \frac{Y+13348598,50}{2097631,41} \\ &= \frac{54836231+13348598,50}{2097631,41} \\ &= 32,50 \end{aligned}$$

- b. % *Bioethanol* (hari ke 3)

$$Y = 2097631,41 X - 13348598,50$$

$$\begin{aligned} X &= \frac{Y+13348598,50}{2097631,41} \\ &= \frac{63857714 +13348598,50}{2097631,41} \\ &= 36,80 \end{aligned}$$

c. % *Bioethanol* (hari ke 4)

$$Y = 2097631,41 X - 13348598,50$$

$$\begin{aligned} X &= \frac{Y+13348598,50}{2097631,41} \\ &= \frac{76742456 +13348598,50}{2097631,41} \\ &=42,98 \end{aligned}$$

d. % *Bioethanol* (hari ke 5)

$$Y = 2097631,41 X - 13348598,50$$

$$\begin{aligned} X &= \frac{Y+13348598,50}{2097631,41} \\ &= \frac{107102114 +13348598,50}{2097631,41} \\ &=57,42 \end{aligned}$$

e. % *Bioethanol* (hari ke 6)

$$Y = 2097631,41 X - 13348598,50$$

$$\begin{aligned} X &= \frac{Y+13348598,50}{2097631,41} \\ &= \frac{63834869 +13348598,50}{2097631,41} \\ &=36,79 \end{aligned}$$