Read ENC. Forward kinematics.
Transformasi Local → Global.

Date

Transformasi sekarang (V1)

$X_t = X + ((\cos(\text{radtrans}(\theta)) \times X_{local}) - ((\sin(\text{radtrans}(\theta) \times Y_{local}))$;
$Y_t = Y + ((\sin(\text{radtrans}(\theta)) \times X_{local}) + ((\cos(\text{radtrans}(\theta) \times Y_{local}))$:

Forward kinematics: V1

$X = R \times ((2/3 \times enc1) - (1/3 \times enc2) - (1/3 \times enc3))$
$Y = R \times (1/\sqrt{3} \times enc2) - (1/\sqrt{3} \times enc3)$.

Forward kinematics : V2

$X = R \times 0.5 \times (enc2 - enc3)$
$Y = R \times (enc1 - 0.866 \times (enc2 + enc3))$.

Tapi antara X dan Y g/k sesuai dan x kebalik.

forward kinematics : V3

$X = R \times (1/\sqrt{3}) \times (enc2 - enc3)$.
$Y = R \times 2/3 \times (enc1 - (1/3) \times (enc2 + enc3))$:

selisih 13 cm

Forward kinematics : V4.

$X = r\left(\frac{2}{3}\phi_1 - \frac{1}{3}\phi_2 - \frac{1}{3}\phi_3\right)$
$Y = r\left(\frac{1}{\sqrt{3}}\phi_2 - \frac{1}{\sqrt{3}}\phi_3\right)$

kebalik X dan Y karena pemasangan enc dibalik.

Forward kinematics : V5

$X = r\left(\frac{1}{\sqrt{3}}\phi_2 - \frac{1}{\sqrt{3}}\phi_3\right)$
$Y = r\left(\frac{2}{3}\phi_1 - \frac{1}{3}\phi_2 - \frac{1}{3}\phi_3\right)$

KRKY