Abstrak

Stripper which in PT. Petrochina East Java has a problem that increasing level which cannot controlled by general PID conventional. It is cause raising flow to stripper very fastest and highest. Design of feedback feedforward controller done with purpose to give solution for that problem. This design of feedforward done to know how fast the flow that entered to the stripper PV3300 so that can handled the fluctuation. The effect of feedforward control give input to the final control elemen as a function delta flow rate. The simulation done for feedforward controller has been designed influenced by disturbing flow rate between 20 kg/s to 70 kg/s. the best result is Max overshoot=20 %, settling time (ts)= 22 s, peak time (tp)= 10 s, rise time (tr) = 7 s, lead per lag= ½, gain feedforward= 0.86.

Keyword : stripper; feedback feedforward controller.