

RECOMMENDATIONS

1. The limitation of LabVIEW is that the user must buy the added toolkit for increasing the performance of LabVIEW. For example, if we must simulation the process, we must buy the control design and simulation toolkit added.

2. This process does not have the flow meter that helps to measure the flow rate real time. GMC will increase the performance if it obtains the real time of flow rate. Nevertheless, flow meter will help much for the experiment to find the process transfer function.

3. The limitation of temperature loop, heater used in this work is just on-off heater, which is not continuous heating and this process does not have the cooling system. Thus, the temperature control will have error when the process variable over the set point. Furthermore, for the measuring temperature, the liquid in the first tank must be stirred because the temperature in the tank does not scattered. Note that the first tank should have liquid level at least 5 cm because it will save the heater from burning.