Report: From the result we can see that the Observation value of voltage (V), current (I) are equal to the total summation.

But, In theoretical part voltage current are approximately same due to lack in calculating values. Also, the power ($P_{R_2}$) is different cause of ohm's law. The graph of this experiment is linear bilateral. So, voltage and current not increasing proportionally at a same rate.

Since, $I_1 = I_2 + I_3$
also, $V_1 = V_2 + V_3$

The superposition theory for a linear circuit verified.
This is the thing I learnt from the experiment.