Review of: "Developing a Novel Solvent System to Separate Polar and Nonpolar Leaf Pigments of Copperleaf (Acalypha wilkesiana) Using Thin Layer Chromatography"

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Potential competing interests: No potential competing interests to declare.

In the country of the reviewer, the content of this manuscript is an experiment conducted by high school or university students. As far as the reviewer searched, there were many examples of separation of phytopigments on paper or TLC, using a mixed solvent of petroleum ether and acetone, but common samples did not contain anthocyanin pigments, as in this paper. The reviewer considers that this manuscript is unique in that and meaningful for education fields.

To improve the manuscript, following comments would be helpful.

1. Did authors compared the separated spot with any standards of chlorophyll-a, chlorophyll-b, or β-carotene ? If not, how did they identified the separated spots?
2. To show the improved point of the present mobile phase composition, comparison of peak width of each spot might be interesting.
3. Xanthophyll and anthocyanins (may be anthocyanidin) are group name, and do not stand for any single compounds. This point of view might be important.