Dear chief of editor

RINarxiv LIPI,

We submit an article entitle “*An in silico approach toward wheatgrass extract-induced apoptosis of human acute myeloid leukemia cells*” for publish in RINarxiv LIPI. The author has read and approved this manuscript to publish in this journal. This paper is not recognized for publication in another journal and submitted for RINarxiv LIPI only. The author declares no conflict of interest.

We hope you accept our article for publication because this study aimed to to identify and evaluate the potential of the active compounds in *C. rotundus* in inducing apoptosis in the treatment of leukemia.

What this study adds:

* The result of the study showed that wheatgrass has nine active compounds and 24 compounds capable of performing apoptosis processes (probability activity >0.7).
* All the compounds can be absorbed by human intestine (HIA >0.9).
* Pathway analysis showed that the active compounds quercetin, luteolin, and apigenin possessed synergy in inducing apoptosis.
* The main pathway affected is the mechanism of the inhibition of cytochrome proteins and the activation of caspase 3 as the apoptotic executor.

Thank you,

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