

Review of: "Exploring the Significance and Medicinal Potential of *Rubus fraxinifolius*: A Review of Ragimot Wildberry"

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Potential competing interests: No potential competing interests to declare.

Dear editor,

This review article, titled "Exploring the Significance and Medicinal Potential of *Rubus fraxinifolius*: A Review of Ragimot Wildberry," gives a comprehensive view of the plant chosen by the authors. The abstract accurately reflects the summarized results of the literature review on the studied plant. The authors consider the nutritional composition, functional properties of the fruits of the *Rubus fraxinifolius*, as well as the efforts made to cultivate the plant. The article is well structured and has clear descriptions. The authors have included relevant references. There are 32 sources cited, 27 of which are after the year 2015.

There are 3 figures and 1 table presented in the article, but please consider locating the figures and table on the same page where they are discussed.

The presented study on investigating the significance and medicinal potential of *Rubus fraxinifolius* makes a meaningful contribution to the field.

I have only a few remarks.

P.2, line 6 – it is written "*Rubus* subgenus *Ideobatus*" – the word "*Rubus*" must be italicized.

P.3, line 2 – it is written "(Jansen-Alves et al., 2021), but this reference is from 2023 years. In the references, the cited reference is "Jansen-Alves, C., Rodrigues Pereira, J., Zambiazzi, R. C., & Murowaniecki Otero, D. (2022). *Rosaceae rubus rosifolius* smith: nutritional, bioactive and antioxidant potential of unconventional fruit. *Natural product research*, 1–5. Advance online publication. <https://doi.org/10.1080/14786419.2022.2160979>", but should be cited as follows "Jansen-Alves C, Rodrigues Pereira J, Zambiazzi RC, Murowaniecki Otero D. (2023) *Rosaceae rubus rosifolius* smith: nutritional, bioactive and antioxidant potential of unconventional fruit. *Natural product research*, 37(23):4013-4017. doi: <https://doi.org/10.1080/14786419.2022.2160979> . Epub 2022 Dec 23. PMID: 36564058."

P.3, line 11, 13, and 15 – It is written "(Bakar et al., 2016).", but should be (Abu Bakar et al., 2016).

P. 4, lines 12 and 18 - It is also written "(Bakar et al., 2016).", but should be (Abu Bakar et al., 2016).

P. 4, line 18 – It is written "as shown by Galvez et al. (2016)," but the cited article has only 1 author and should be only

“Galvez (2016),”.

P.5, lines 4-5 – It is written “such as *R. rosifolius* + K3 and *R. fraxinifolius* + K4,” it is not given what they mean K3 and K4.

P.5 line 9 - Reference with author Guo et al., 2021 is cited, but this article is not cited in the references section.

P.5 line 14 - It is written “Surya et al., (2015)”, but should be “Surya et al., (2018)”,

P. 5 line 17-19 – It is written “Encouragingly, the results underscored the efficacy of medium 3, comprising 0.5 mg/L GA3, 2.5 mg/L 2-iP, and 0.1 mg/L NAA, in driving the development of *R. fraxinifolius* explants (Ismaini & Surya, 2017).

Importantly, the concentrations of 2-iP and NAA were found to wield a significant influence on the regenerative process.”, but when abbreviations are used, their full names are given first and then the abbreviations are used. Please explain the abbreviations used.

P.8 – Figure 3 - Please write the source used for the photo, as in figure 2.

In section “References”

In this reference “Bissessur, P., Reinegger, R. D., Baider, C., Mamoodde, R., & Florens, F. B. V. (2023). Invasive alien plant control: The priority to save one of the most rapidly declining island-endemic plant species worldwide. *Journal for Nature Conservation*, 73, 126417” is missing DOI – Doi is <https://doi.org/10.1016/j.jnc.2023.126417> “.

Galvez, M. A. C. (2015). Evaluation of DPPH free radical scavenging activity and phytochemical screening of selected folkloric medicinal plants in Tinoc, Ifugao, Cordillera Administrative Region, Philippines. *International Journal of Scientific and Research Publications*, 5(12), 440-445. - Add the web address of the journal: www.ijsrp.org

Galvez, M. A. C. (2016). Antibacterial activity and phytochemical screening of selected folkloric medicinal plants of Maggok, Hungduan, Ifugao, Cordillera administrative region, Philippines. *Int J Sci Res Publ*, 6(1), 460. - Add the web address of the journal: www.ijsrp.org

It is cited “Huang, J.-Y., & Hu, J.-M. (2009). *Revision of Rubus (Rosaceae) in Taiwan* 54(4)”, but should be “Huang, J.-Y., & Hu, J.-M. (2009). Revision of Rubus (Rosaceae) in Taiwan, *Taiwania*, 54(4), 285-310.

DOI: [https://doi.org/10.6165/tai.2009.54\(4\).285](https://doi.org/10.6165/tai.2009.54(4).285) “.

In the following two references, the journals should be Italic.

1. Ismaini, L. and Surya, M. (2017). In vitro plant regeneration from hypocotyl of arben (*R. fraxinifolius* poir.). *Australian Journal of Crop Science*, 11(04), 474-478. <https://doi.org/10.21475/ajcs.17.11.04.359>
2. Ismaini, L., Destri, D., & Surya, M. (2017). Micropropagation of rubus chrysophyllus reinw. ex miq. and *R. fraxinifolius* poir.. *Journal of Tropical Life Science*, 7(1), 72-76. <https://doi.org/10.11594/jtls.07.01.12>

The cited reference is “Jansen-Alves, C., Rodrigues Pereira, J., Zambiasi, R. C., & Murowaniecki Otero, D. (2022). *Rosaceae rubus rosifolius smith: nutritional, bioactive and antioxidant potential of unconventional fruit. Natural product research*, 1–5. Advance online publication. <https://doi.org/10.1080/14786419.2022.2160979>”, but should be cited as

follows “Jansen-Alves C, Rodrigues Pereira J, Zambiasi RC, Murowaniecki Otero D. (2023) *Rosaceae rubus rosifolius smith*: nutritional, bioactive and antioxidant potential of unconventional fruit. *Natural product research*, 37(23):4013-4017. doi: <https://doi.org/10.1080/14786419.2022.2160979> . Epub 2022 Dec 23. PMID: 36564058.”

The cited reference is “Macdonald, A. A., Ziehmer, B., Kitchener, A. C., Gelang, M., Åblad, B., Lintonsson, R., Pückler, K. von, Schaub, S., Kiefer, I., & Schwarz, T. (2023). A Computed Tomographic Study of the Premolar Teeth of *Babryrousa* spp. *Journal of Veterinary Dentistry*, 08987564231166551.”, but should be cited “Macdonald, A.A., Ziehmer, B., Kitchener, A.C., Gelang, M., Åblad, B., Lintonsson, R., Pückler, K. von, Schaub, S., Kiefer, I., & Schwarz, T. (2024). A Computed Tomographic Study of the Premolar Teeth of *Babryrousa* spp. *Journal of Veterinary Dentistry*, 41(1):31-42. doi: <https://doi.org/10.1177/08987564231166551>

Noviady, I., Junaedi, A., Susanto, S., & Surya, M. (2022). Respons pertumbuhan dan perkembangan rubus rosifolius sm. dan *R. fraxinifolius* poir. terhadap kombinasi dosis dan waktu pemberian pupuk. *Buletin Kebun Raya*, 25(2), 76-83. <https://doi.org/10.55981/bkr.2022.798> - the journals should be Italic

Sánchez-Hernández, E., Teixeira, A., Pereira, C., Cruz, A., Martín-Gil, J., Oliveira, R., & Martín-Ramos, P. (2023). Chemical constituents and antimicrobial activity of a *Ganoderma lucidum* (Curtis.) P. Karst. aqueous ammonia extract. *Plants*, 12(12), 2271. <https://doi.org/10.3390/plants12122271> - This source is not cited in the text

The cited reference is “Shamsudin, N., Matawali, & Jualang Azlan, G. (2019). *Comparison of Antioxidant Activity and Phytochemical Content of Borneo Wild Berry, R. fraxinifolius (Rogimot)*. 6, 36–41.”, but should be “Shamsudin, N., Matawali, & Jualang Azlan, G. (2019). Comparison of Antioxidant Activity and Phytochemical Content of Borneo Wild Berry, *Rubus fraxinifolius* (Rogimot). *Transactions on Science and Technology*, 6 (1), 36 – 41. <https://tost.unise.org/pdfs/vol6/no1/6x1x36-41.pdf>

In this reference “Sulistyowati, B. E., Iswandana, R., & Nur, S. (2023). Phytocompounds and in vitro antiaging activity of ethanolic extract and fractions of *R. fraxinifolius* Poir. Leaves. *Journal of Pharmacy & Pharmacognosy Research*, 11(4), 595–610” is missing a DOI – The DOI is: https://doi.org/10.56499/jppres23.1614_11.4.595

I would like to provide a positive recommendation for the acceptance of this manuscript. I am confident that it will enrich the scholarly discourse in the field. The article can be published after very minor corrections.

Thank you for considering my assessment, and I eagerly anticipate the successful publication of this manuscript.

Sincerely,

Ginka Antova