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Determination of antioxidant activity of Balabilvashunti decoction and its raw materials through different analytical methods.

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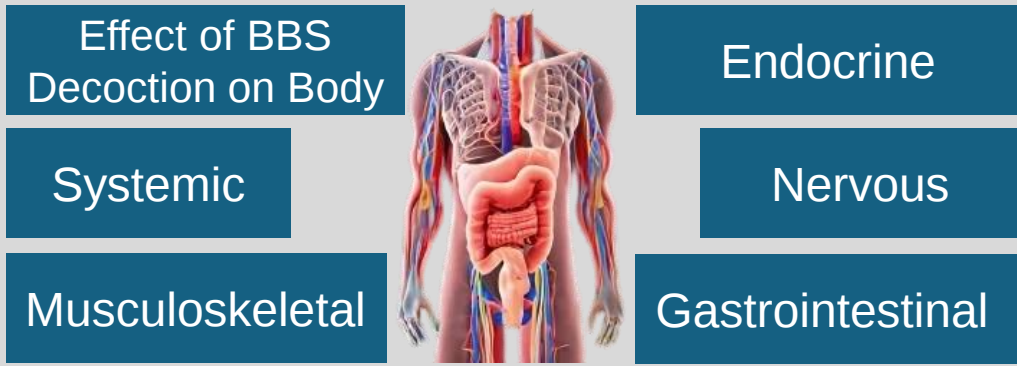
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Background

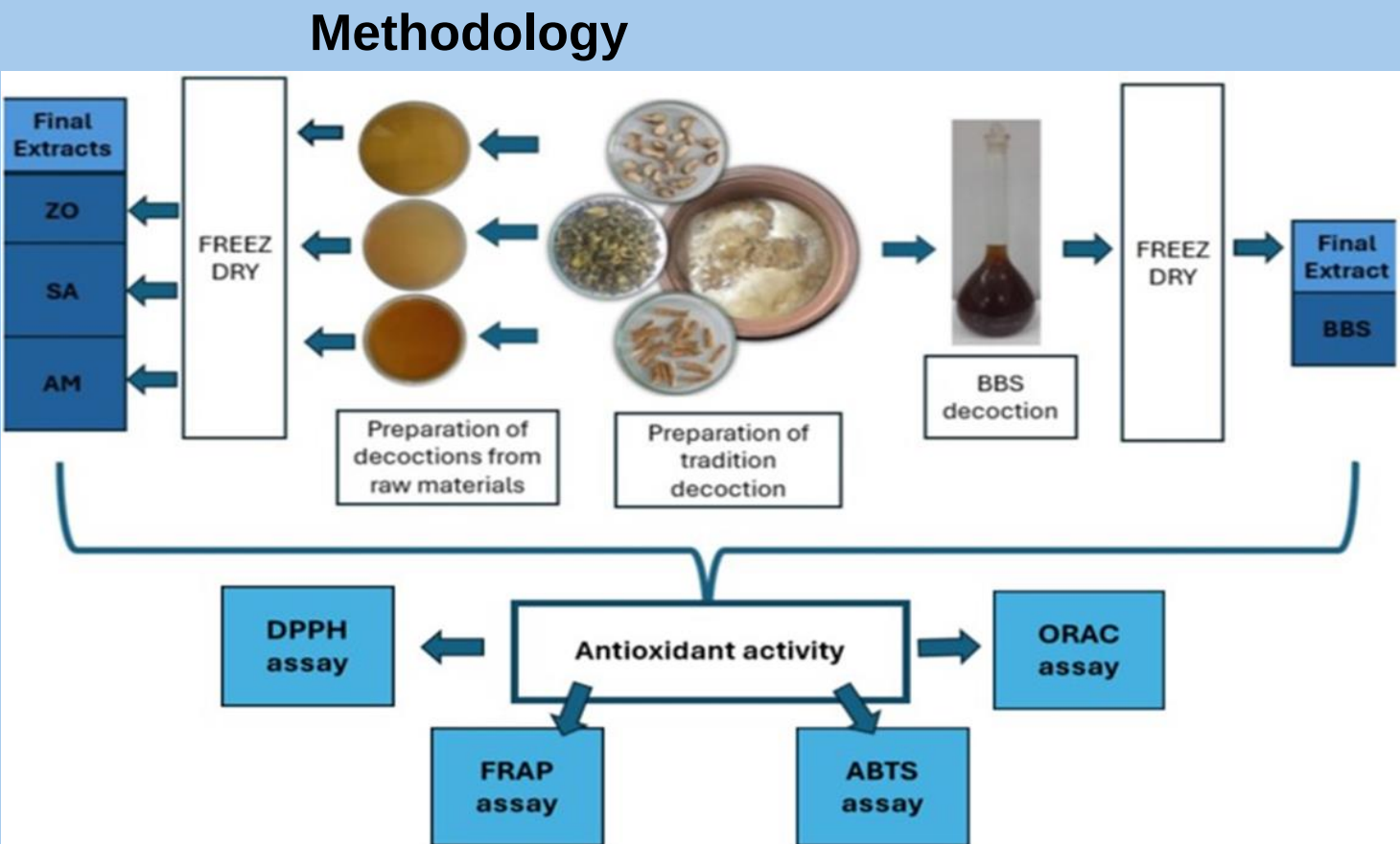
Balabilvashunti (BBS) is an ayurvedic polyherbal formulation composed of three plant ingredients; rhizome of *Zingiber officinale* (ZO), whole plant of *Sida alnifolia* (SA), and root bark of *Aegle marmelos* (AM). BBS is mainly prescribed by ayurveda physicians for geriatric conditions including joint diseases, diabetes, nervous and gastrointestinal disorders.

Objective

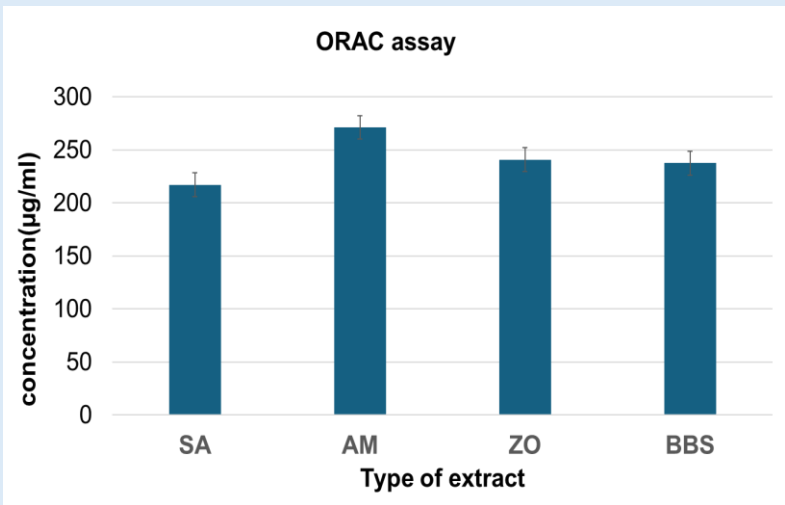
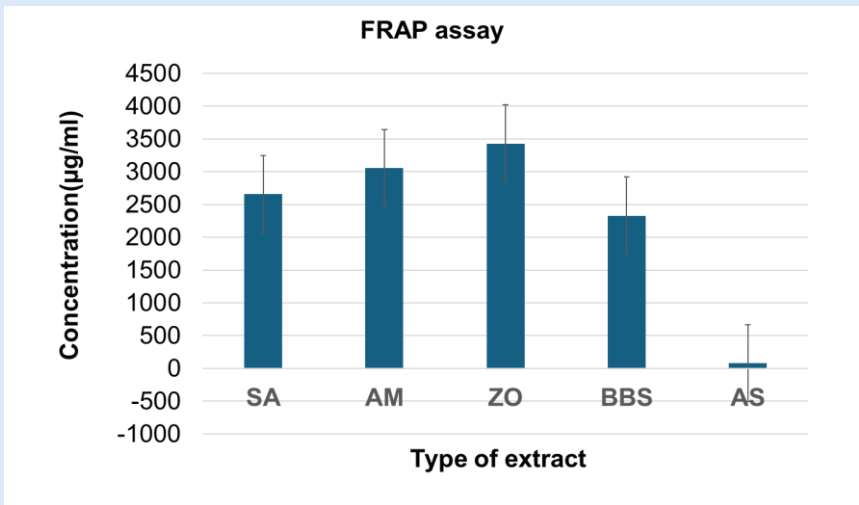
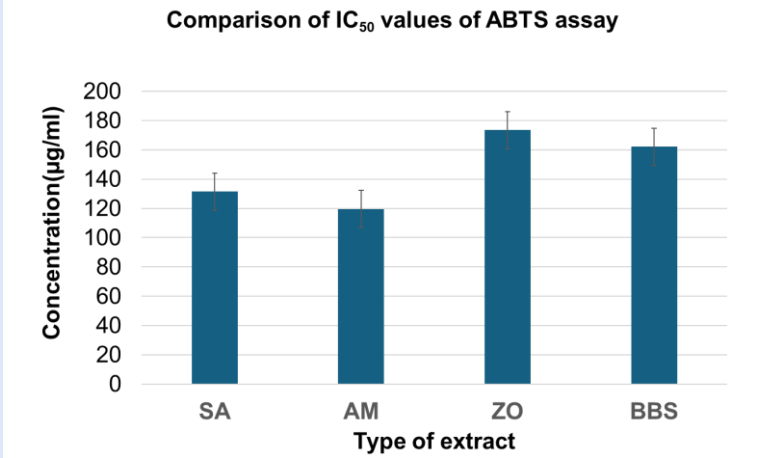
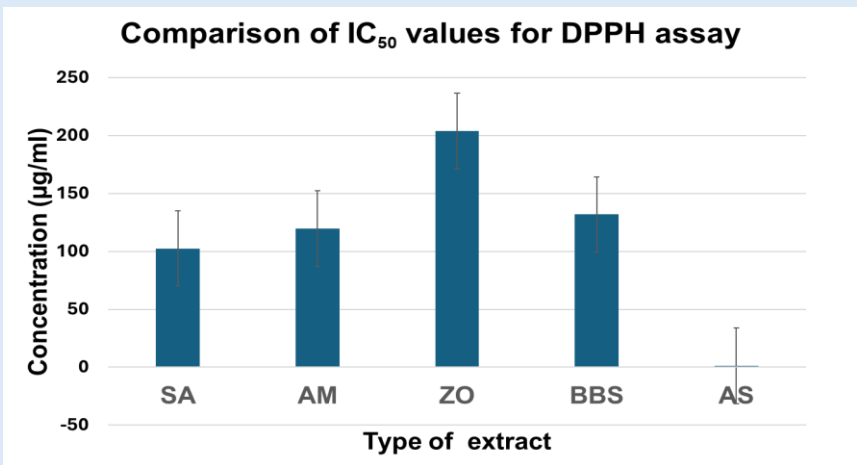
The objective of this research is to comprehensively investigate the antioxidant activity of the aqueous extracts of raw materials and the final formulation, employing different analytical methods.



The plant materials were gathered from Colombo district, washed and dried in shade until they reached a consistent mass and were processed into coarse powder. This powder was used to prepare the aqueous decoction which was freeze dried to obtain a powder. This powder was used to conduct the antioxidant assays.



Results



Conclusion

It could be concluded that the SA, AM, ZO and BBS possess significant ($p \leq 0.05$) antioxidant activity.

Acknowledgement

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