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Analysis of chemical composition, mineral and anti-oxidative effect of the *Rudbeckia laciniata*

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This study was performed to investigate the possibility of functional materials of *Rudbeckia laciniata* through analyzing for nutritional components and antioxidant activity. General component of *Rudbeckia laciniata* is crude protein 22.36%, crude fat 4.38%, ash 12.17%, and total dietary fiber content 42.63% in Dry base. The highest content of minerals is potassium the following calcium, magnesium were found, in this result suggest *Rudbeckia laciniata* was alkaline material. The content of total phenolic compounds of *Rudbeckia laciniata* 70% EtOH extract is 161.29mg/g and the content of total flavonoid content is 40.41mg / g. ABTs radical scavenging activity of *Rudbeckia laciniata* 70% EtOH extract is 203.87 mg AA / 100g and DPPH radical scavenging activity of *Rudbeckia laciniata* 70% EtOH extract is 265.86±5.795.

Biography

Geonmin Noh graduated from Kyungbuk National University and at present is working for Functional Food & Nutrition Division, Department of Agrofood Resources at Rural Development Administration.

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