

SINTOK

**Natural Sources of Antioxidant
Compounds**

**Sharifah Nurul Akilah Syed Mohamad
Siti Zaiton Mat So'ad**



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SINTOK (ENTADA SPIRALIS RIDL)

NATURAL SOURCES OF ANTIOXIDANT COMPOUNDS

Sintok or Beluru, scientifically known as *Entada spiralis* Ridl. is belongs to *Leguminoceae*. This plant is a huge liana with woody climber that grows wildly in Malaysia. Sintok is found natively to Peninsular Malaysia, Indonesia, Singapore and Thailand. This species have been characterized by its bipinnate leaves with small flowers. As recognized being as one of Mimosoideae sub-family, stamens of flower is the main parts of attraction. The pods of seed are curled with 5-11 very large seeds to each pod. In Malay aromatherapy, Sintok plant is an important element that used during post-natal bath and body cleansing shampoo (FRIM Flora Database). This plant also acknowledged by Universiti Utara Malaysia (UUM Sintok) as their icon as UUM located in Sintok, name that derived from this plant.

Sharifah Nurul Akilah Syed Mohamad had received her first education from Sekolah Kebangsaan Teruntum and secondary education from Sekolah Menengah Kebangsaan Tengku Afzan, Kuantan Pahang. She had her matriculation programme from Matriculation College of Negeri Sembilan. She holds her first degree in Chemistry from Universiti Teknologi Mara (UiTM) and Master of Pharmaceutical Science specialized in Pharmaceutical Chemistry from International Islamic University Malaysia (IIUM). Her research work has centred on the natural product field. She had discovered the potential of *Entada spiralis* Ridl. (Sintok) having an excellent antioxidant activities. She actively involved in co-curricular and society activities. She was a former Vice – President of Chemistry Fusion Club in Faculty of Applied Science, UiTM Shah Alam. She was also Bureau of Research for her Postgraduate Society, Kulliyah of Pharmacy. Now, she is a part time lecturer in the Chemistry Department, Faculty of Applied Science, UiTM Jengka Campus. She is teaching Basic Chemistry and Organic Chemistry for Diploma students of UiTM.

Siti Zaiton Mat So'ad obtained her BSc (Hon) in Chemistry and, PhD with specialisation in Natural Product Chemistry from University Kebangsaan Malaysia(UKM). She was a lecturer, Faculty of Applied Sciences, UiTM Pahang from June 1995 until November 2007. She was joined Kulliyah of Pharmacy, IIUM in December 2007 as Senior Lecturer and was appointed as Associate Professor in 2014. She was appointed as Director, Natural Medicinal Product Centre(SBU IIUM) from December 2007 until August 2009, Head of Department, Pharmaceutical Chemistry from 2011-2013 and from 2015-2017. Siti Zaiton was actively involved in teaching and research throughout her services. She received a few research grant from Ministry of Science and Technology(MOSTI) and Ministry of Education(MOE). For her outstanding achievement in teaching and research, she was awarded the Anugerah Khidmat Cemerlang, UiTM(2004) and Outstanding Researcher Award during IIUM Quality Day 2014.

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