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The Anti-oxidation of *Ulva lactuca* Fucoidan in Ovariectomy

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This study was to investigate the anti-oxidative effects of *Ulva lactuca* fucoidan (ULF) in the liver tissue and mitochondrial fraction of ovariectomized rats (OVX). Both the ovaries of Sprague-Dawley rats (13 weeks senescent female) were ectomized. After 2 days, ULF (100 mg/kg) was intraperitoneally injected into OVX for 22 weeks. In the 35th week, OVX were anesthetized with ether and dissected. Superoxide Dismutase (SOD) and Catalase (CAT) were measured in the total homogenate and mitochondrial fraction. SOD and CAT activities in ULF-administered and ovariectomized group were increased compared to ovariectomized and ULF non-treated group. These results showed that ULF had the anti-oxidative effects in the ovariectomized rats.

Key Word : *Ulva lactuca*, antioxidative, ovariectomy

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