Artocarpus altilis extract effect on cervical cancer cells

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Abstract
This paper elucidate on the effects of Artocarpus Altilis Pulp part on cervix HeLa cancer cell. IC50 values of pulp extract were determined on HeLa cell with different concentration (12.5 μg/ml, 25 μg/ml, 50 μg/ml, 100 μg/ml). Cell viability and cell growth were observed up to 72 hours with comparative to control cells. The results obtained in this research quantitatively revealed the dependence of cell proliferation on extract concentration. Control, 12.5 μg/ml, 25 μg/ml, 50 μg/ml, 100 μg/ml of concentration showed 100%, 90%, 80%, 50%, 44% cell viability after 72 hours in culture respectively. This study result demonstrates that Artocarpus Altilis has the ability to inhibit cervical cancer cell proliferation. (C) 2018 Elsevier Ltd. All rights reserved.

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