The Activity of Combination Virgin Coconut Oil and Ethanol Extract of *Artocarpus lacucha* Buch.-Ham. Leaves to Increase Proliferation On NIH 3T3 Cell Line

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### INTRODUCTION

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### METHODS

Combination of VCO and Ethanol Extract

- **Maceration**
- **Powder**

NIH 3T3 cells

### RESULTS

**Combination Index**

<table>
<thead>
<tr>
<th>VCO (µg/mL)</th>
<th>EE (µg/mL)</th>
<th>CI</th>
<th>IC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>15</td>
<td>7,5</td>
<td>3,75</td>
<td>1,875</td>
</tr>
<tr>
<td>30</td>
<td>8,595</td>
<td>1,423</td>
<td>1,542</td>
</tr>
<tr>
<td>15</td>
<td>2,160</td>
<td>0,694</td>
<td>0,277</td>
</tr>
<tr>
<td>7,5</td>
<td>130,085</td>
<td>182,315</td>
<td>0,667</td>
</tr>
<tr>
<td>3,75</td>
<td>1,199</td>
<td>0,784</td>
<td>0,309</td>
</tr>
</tbody>
</table>

**% viability of cells**

<table>
<thead>
<tr>
<th></th>
<th>24 h</th>
<th>48 h</th>
<th>72 h</th>
</tr>
</thead>
<tbody>
<tr>
<td>24 h</td>
<td>114.53 ± 0.62%</td>
<td>118.25 ± 0.72%</td>
<td>112.65 ± 0.40%</td>
</tr>
</tbody>
</table>

MTT method was used to determine cell viability after incubation for 24 h.

### Conclusion

The best combination of VCO and EE was showed at concentration 15 and 3.75 µg/mL and the most optimum time was 48 h incubation.

### References


### Acknowledgements

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