

**PROPOSAL for NEW OR EXPANDED LOCALLY FUNDED PROJECT**

|  |  |
|--|--|
| 1. Proposal/Project Name:                        | Herbal Drug Development on Selected Philippine Medicinal Plants for Treatments of <i>Diabetes Mellitus</i> |
| 2. Implementing Department/ Agency (or Agencies) | VISAYAS STATE UNIVERSITY – Main Campus   |

|                        |  |
|------------------------|--|
| 3. Priority Ranking No |  |
|------------------------|--|

|                   |                          |                    |                                     |
|-------------------|--------------------------|--------------------|-------------------------------------|
| 4. Categorization |                          |                    |                                     |
| New               | <input type="checkbox"/> | Infrastructure     | <input type="checkbox"/>            |
| Expanded/revised  | <input type="checkbox"/> | Non-Infrastructure | <input checked="" type="checkbox"/> |

|                     |                   |
|---------------------|-------------------|
| 5. NEDA Project ID: | 2023-08083-001197 |
|---------------------|-------------------|

|  |               |
|--|---------------|
| 6. Total Proposal Cost:<br>Financial (in P'000) and Physical Details | Php 5, 000.00 |
|--|---------------|

|                           |   |  |             |              |              |               |             |  |              |  |
|---------------------------|---|--|-------------|--------------|--------------|---------------|-------------|--|--------------|--|
| 1. Description:           | Herbal medicine has been utilized from ancient times until today. These traditional medicines have been proven to contain many active constituents for the treatment of diseases such as diabetes, hypertension, and others. In our previous study funded by the Tuklas Lunas of DOST, we have identified 28 medicinal plants as sources of insulin mimetics and enzyme inhibitors for the potential treatment of diabetes mellitus. However, science-based knowledge on the preparation and formulation of these herbal medicines to preserve their bioactivity as well to avoid toxic effects when taken and standardization of herbal extracts have not been established. Hence, this proposal |  |             |              |              |               |             |  |              |  |
| 2. Purpose:               | This project is proposed to confirm bioactivity and in vitro toxicity test of the established standard parameters that would yield the highest bioactivity and safety.  |  |             |              |              |               |             |  |              |  |
| 3. Beneficiaries:         |   |  |             |              |              |               |             |  |              |  |
| 4. Implementation Period: | <b>ORIGINAL</b><br><table border="1"> <tr> <td>Start Date:</td> <td>January 2023</td> </tr> <tr> <td>Finish Date:</td> <td>December 2023</td> </tr> </table> <b>REVISED</b><br><table border="1"> <tr> <td>Start Date:</td> <td></td> </tr> <tr> <td>Finish Date:</td> <td></td> </tr> </table>   |  | Start Date: | January 2023 | Finish Date: | December 2023 | Start Date: |  | Finish Date: |  |
| Start Date:               | January 2023  |  |             |              |              |               |             |  |              |  |
| Finish Date:              | December 2023   |  |             |              |              |               |             |  |              |  |
| Start Date:               |   |  |             |              |              |               |             |  |              |  |
| Finish Date:              |   |  |             |              |              |               |             |  |              |  |