

## **2. Argument Plan for Scientific Essay**

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### **Acknowledgment of Country**

We at Curtin College would like to pay our respects to the Aboriginal and Torres Strait Islander members of our community by acknowledging the traditional owners of the land on which the Perth Campus is located, the Wadjuk people of the Nyungar Nation. We recognise their continuing connection to land, sea and community, and pay our respects to Elders, past present and emerging.

### **Student Declaration of Originality**

<input checked="" type="checkbox"/>	This assignment is my own original work, and no part has been copied from another student's work or source, except where it is clearly attributed,
<input checked="" type="checkbox"/>	All facts/ideas/claims are from academic sources are paraphrased and cited/referenced correctly,
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<input checked="" type="checkbox"/>	I accept that it is my responsibility to check that the submitted file is the correct file, is readable and has not been corrupted,
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Your Argument Planner

<p><b>Your Research Question:</b> Based on the Global Challenges topic.</p> <p><b>How can the indigenous knowledge in Bangladesh help modern medicine curing diseases</b></p> <p><b>Main Idea/Argument:</b> What is your answer to the research question?</p> <p><b>The indigenous knowledge in Bangladesh should work with modern science to cure diseases.</b></p>		
<p><b>Thesis statement:</b> It should take a position and provide 2-3 reasons why you think your claim is valid. Your 2-3 reasons are put under as Reasons below.</p>		
<p><b>Indigenous knowledge in Bangladesh should work with modern science in order to cure diseases as medicinal plants are easy to get as well as cost-effective, these medicinal herbal plants are significant in terms of religious and cultural heritage, as well as these plants have more traditional healing properties.</b></p>		
<p><b>Reason 1:</b> (to support main idea/argument)</p> <p>Plant-based traditional medicinal knowledge of indigenous people using medicinal plants which are easy to get as well as cost-effective.</p>	<p><b>Reason 2:</b> (to support main idea/argument)</p> <p>The traditional knowledge of practising various types of medicinal herbal plants is significant in terms of religious and cultural heritage.</p>	<p><b>Reason 3:</b> (to support main idea/argument)</p> <p>Indigenous herbal plants have more healing properties for healing different types of ailments.</p>
<p><b>Evidence:</b> What is the specific information or data from the literature that supports your claim? Include in-text citation of the source.</p> <p>According to Islam et al., (2020) in order to cure Eczema and allergy ailments, boil 250 gm of <i>Lathyrus sativus L.</i> seed with 4-5 Datura metal leaves in water until the water evaporates. The dry portions are used as juice which we must drink for 3 weeks and 4 drops twice a day on an empty stomach.</p>	<p><b>Evidence:</b> What is the specific information or data from the literature that supports your claim? Include in-text citation of the source</p> <p>Rahman et al. (2022b) reported there are a few medicinal plants used for healthcare considered by the Hindu Muslim communities of religion as traditional spiritual plants with cultural significance. Additionally, the research mentions that <i>Lawsonia inermis L.</i> leaves paste, which is orange in color, is used on the palm of hands by the Hindu and Muslim groups when their religious, and cultural occasion occurs.</p>	<p><b>Evidence:</b> What is the specific information or data from the literature that supports your claim? Include in-text citation of the source.</p> <p>The root of <i>Premna esculenta</i> is used for Poisonous animal bites (including snakes, dogs, and cats), and diabetes (Rahmatullah et al., 2009). This research also demonstrates that a leaf of <i>tephania japonica</i> is used to cure low semen density, burning sensations during urination, urine coming out in several streams cough asthma, and tonsillitis. Rahmatullah et al. (2009) also state that mixing leaves with roots of <i>Clerodendrum viscosum Vent</i> is used to heal Sudden stomach pain, gastric problems, fever, loss of appetite, and digestive aid.</p>

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<p>For preparing the herbal medicine traditional healers mostly use leaves because rural people consider that the leaf's quantity and quality are higher than any parts of the plant. Additionally, other parts of the plants are also used as active ingredients for processing pharmaceutical raw materials. Besides using herbal plants, they also use domestic products like spices, honey, and milk, oil which are formed into pastes, liquids, or decoctions. Juice (extract of any plant part), paste, decoction boiling plant parts), pills, tablets and powder are some of the preparation methods for making herbal treatment. So, the preparation of making medicine is so easy, that we can easily make them at home using our daily life kitchen ingredients without buying extra items, which saves our time and money also. For example, applying Aloe vera gel or honey juice can brighten your skin tone. Again, applying aloe vera gel or juice with oil, and honey in a paste mixture can moisturize dry hair and dry skin. This method will not take a long procedure and will not be hard work. Using medicinal plants is always simple to make herbal medicine with available ingredients and it brings effective outcomes.</p>	<p><b>Explanation:</b> How does the evidence support your claim? What is the reason/ science principle that explains why evidence is linked to the claim? This is your writer's voice. You interpret the information. [text]</p> <p>The majority of people in the rural area grew plants that have essential medicinal features in their surroundings such as <i>Lawsonia inermis L.</i>, <i>Azadirachta indica</i> and so on. They believe that, if <i>Azadirachta indica</i> plants are planted on the south side of the house, the wind blowing from the south will mix the leaves and purify the air. This medicinal plant is used to treat major ailments like inflammation and pain, respiratory complaints, dental care, fever and so on. Moreover, the leaf of <i>Lawsonia inermis L.</i> locally known as "mehendi" is also used to get well from sexual weakness, urinal problems, skin diseases, dandruff, hair fall, hair and beard color, coloring nails, palms and all. Religious people of Hindus, and Muslims also have traditional values towards these plants and they want to keep it persevere by practising these pants.</p>	<p><b>Explanation:</b> How does evidence support your claim? What is the reason/ science principle that explains why evidence is linked to the claim? This is your writer's voice. You interpret the information.</p> <p>In order to treat various diseases and illnesses of daily life, the healers mostly use different plants and plant parts which include leaves, roots, rhizomes and bulbs, stems, fruits, meristem, bark, seeds, and flowers. Again, different parts of the plants or the same plant may be mixed depending on the curing way as specific plants have their own characteristics for healing. Moreover, a single species is used to treat multiple diseases or symptoms. For instance, <i>Hibiscus rosa sinensis L.</i> is used to treat conjunctivitis, helminthiasis, any sort of fever, rheumatic pain, and diabetes. Where, <i>Urena lobata L.</i> is used as a remedy for malaria, liver disorders, diarrhea and many more.</p>
<p><b>Counter-argument</b>(reason AGAINST your main idea/argument) and <b>Rebuttal</b> (refute the counter-argument, reminding reader why your argument is a valid one)</p> <p>Some studies indicate that Bangladeshi Indigenous knowledge practices are highly threatened by forest loss, urbanization, inappropriate harvesting methods, and changing utilization of land (Motaleb &amp; Khan , 2012). Moreover, Other studies (Khan et al. 2011; Rahman et al. 2011a; Rahman 2013) mentioned that the local knowledge of medicinal plants will be no longer available as it is handed down from generation to generation by oral tradition, having no documentation of this valuable traditional knowledge on herbal treatment. Admittedly this may be a problem, but most people also believe that besides having dissimilarity, plants are being used for both preventing multiple ailments and healing various diseases (Rahmatullah et al., 2010).</p>		

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### References

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