

ENT600**TECHNOLOGY BLUEPRINT****HONEY FLIPPER COLLECTOR**

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1.0 EXECUTIVE SUMMARY

People who owned stingless beehive has always been quite a task of getting the honey to be extracted. Our Honey Flip Collector will provide much simply way to get stingless bee honey flow right out of the hive. Our company designed Honey Flip Collector is mainly for stingless beehive only. This product is for people who have pain in getting the honey which need to make fire up a smoker to sedate bees, pull out the frames and trying not to squash the bees, poke the wax capping, filter the honey, clean up all the mess and the frames have to go back to the hives again. Honey Flip Collector will be a huge help to extract honey easily by turn a tap, sit back and watch the honey pour out.

This product will be develop based on the information that has been collected through online survey and questionnaire. The results positively indicate that consumers are really demanding for many stingless beehive owners since it required a lot of process to be outcome.

In the findings, there are problems which has been analysed. Honey harvesting is a process of harvesting the honey which are commonly time consuming that makes the production of honey becomes low and in order to gain high production of honey, it would take a longer time to do so. Regarding this issue, the honeybee entrepreneur can enhance the process of honey harvesting by implementing a honey flip collector for this honey harvesting process. Usually the machine sold in the market for honey harvesting are more expensive, but the function is quite same with the traditional way. This may be the reason the honeybee entrepreneur becomes less interested in the machine and decided to use the traditional way instead. Honey flip collector is created especially for stingless honeybee. It is the most convenient way to harvest the honey which is less time consuming and convenient to use. Giving the best way to harvest the honey at the same time can produce a lot of honey in a shorter time compared to traditional way.

2.0 PRODUCT DESCRIPTION

2.1 PRODUCT DETAILS

Based on our product called as Honey Flip Collector, we are focusing on stingless bee honey or “kelulut” honey where it helps honey harvesters to harvest their honey more effective and efficiently. This product comprises a set of harvesting equipment which includes:

1. Spikes to open up holes on the top of honey cartridge.
2. Hive flipper box (house) to accommodate the beehive and flip the house when spikes are punched through the honey cartridge for its honey.
3. Mechanical pump box extractor where it collects the honey after the house been flipped downwards.
4. PVC pipe gutter to flow the extracted honey to the honey jar.
5. Honey jar.

Normally, honey harvesters will traditionally extract their stingless bee honey and it takes time for them to do so as it requires them to move the hive from one place to another. Our product provides an initiative to harvesters to harvest their honey fast and does not endangered the habitation of the stingless bees. Basically, the procedures of our product are the same as traditional harvesting except it is more efficient to harvesters.

2.2 THE APPLICATION OF THE PRODUCT

The sequence of our Honey Flip Collector application are as followed: -

