

## **BUMI BIO-ORGANIC FERTILIZER**

**Compost** is the source of organic material for soil as well as source of nutrient for plant. PT. Bumi Sriwijaya Sejahtera introducing **BUMI Bio-Organic Fertilizer** which is made from palm oil empty stem / Tandan Kosong Kelapa Sawit (TKKS).



*Bumi Bio-Organic Fertilizer Factory*

### **\*Basic Concept**

- Bio – Organic Fertilizer Project was establish in 2007
- The utilization of Palm Oil Mill Waste and Palm Kernel Oil Mill into value added product.
- Reduce, Reuse, Recycle & Recovery concept.
- **GO - GREEN**

**Production capacity up to 600MT / Day**

### **Physical form of BUMI Bio-Organic Fertilizer:**



**PELLET**



**SERAT**



**GRANULE**

**Packaging : gunny bag 30kg**

### **\*Advantages of using BUMI Bio-Organic Fertilizer:**

- ü Increase soil fertility
- ü Increase biological soil activity
- ü Improving / fixing soil structure
- ü Reduce the dose of inorganic /chemical fertilizer up to 60%
- ü Minimize pest attack in plants

### **\*Technology implemented in the TKKS Composting process:**

- ü TKKS enumerator machine
- ü Turner machine
- ü Decomposer bacteria that could speed up the process of composting



*Turner Machine*

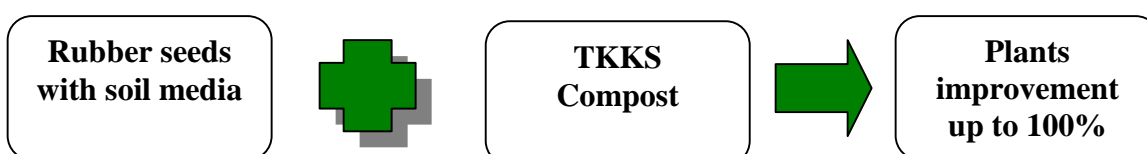


*TKKS enumerator machine*

\*Contents of BUMI Bio-Organic Fertilizer:

<b>Element</b>	<b>Content (%)</b>
C organic	42 – 54
Nitrogen	3 – 5
C/N Ratio	15 – 20
P2O5	0.4 – 1
K2O	2.9 – 5.2
MgO	0.7 – 0.94
CaO	2.27- 3.69

\*Experiment and Result



*The application of compost in the amount of 25% growth media weight can save inorganic fertilizer up to 50%.*

\*Application

1. Teak Plantation



*Without Bio-Organic Fertilizer*

*With Bio-Organic Fertilizer*

2. Rubber Plantation



*Q of Bio-Organic Fertilizer*

0      750g      1.5kg      2.25kg

*From left to right shows the growth of rubber seedlings with the application of Bio-Organic Fertilizer. All treatments are using 50% recommended chemical fertilizer.*

3. Palm oil plantation





*Healthy and green palm oil seeds growth with the application of BUMI Bio-Organic Fertilizer.*

**\*Packaging & Price**



- Packaging : Gunny bag @30kg
- FOB : Boom Baru, South Sumatera Port - Indonesia
- Minimum order quantity : 1X20'FT cont = 12MT  
1x20'FT cont = ±333bags @30kg  
1x20'HC cont = ±666bags @30kg
- Available stock : SERAT with the specification as attached
- Payment method : 50% Down Payment after buyer receive Proforma Invoice & 50% Balance Payment after buyer receive Invoice + Packing List + Debit Note

**Contact us:**

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