



COMPANY PROFILE



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ABOUT US

COMPANY PROFILE

CVMAS



Makmur Amanah Sejahtera is a company specializing in animal feed and alternative energy, utilizing palm oil processing waste, specifically palm kernel cake and palm kernel shells. We are located in Malang and Surabaya.

We have been registered with the Minister of Investment since 2021. Over nearly 3 years, we have supplied more than 1600 tons of palm kernel cake and over 300 tons of palm kernel shells.

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What is Palm Kernel

Palm kernel cake is one of the products resulting from the processing of palm kernel. It accounts for 45% of the palm kernel. Palm kernel cake contains 14-17% protein, 12-18% crude fiber, and 10.5% fat. Due to these properties, palm kernel cake can be used as an alternative raw material for animal feed.

Used a Palm Kernel

As Animal Feed

Research by Hanifa in 2016 reported that palm kernel cake contains Mannan Oligosaccharides (MOS), which can function as a probiotic to stimulate the growth of probiotic bacteria, indirectly regulating pathogenic bacteria in the digestive tract. The nutrient mix in palm kernel cake makes it a raw material for feed with a considerable amount of nutrition. This nutrition can provide energy for livestock, as proven in research on catfish by Hadijah in 2019.



Nutrient Content of Palm Kernel

Protein

14-17%

Fat

9.5-10.5%

Crude Fiber

12-63%

Palm Kernel as an Alternative Ingredient



The surge in animal feed prices has greatly impacted farmers. Many farmers have suffered losses or even gone out of business due to these price increases. The rise in feed prices is closely linked to the increase in corn prices, a primary commodity in animal feed.

High feed prices are pushing farmers to seek alternative feed sources, especially for protein-rich and energy-rich raw materials. These raw materials must also be available in the long term, affordable, and not compete with human food needs. Palm kernel is a potentially suitable alternative.



Aspect Price

Palm kernel cake is up to 50% cheaper than corn due to its abundant availability. This is because Indonesia is the world's largest palm oil producer.

Palm Kernel

Alternative Raw Material for

For
Poultry

For
Fish

For
Ruminants

Palm Kernel

Palm Kernel Meal

Palm kernel meal, often sought after by local farmers, only needs to be ground and is ready to be mixed with other animal feed ingredients.

Palm kernel meal has a **high protein content of 15%, fat 15%, and fiber 4%**, with a generally soft texture.



Protein A
Export Quality



Protein A
Dry - Export Quality

Palm kernel meal, which has a high nutritional content, is also low in water content (tends to be dry).

The palm kernel meal contains:
High protein 14.98%; Fat 11.51%; Shell 17.61%*.Unmilled.

Low-Fat Protein A palm kernel meal, is in high demand by animal feed producers because, in addition to being high in protein, it has low fat content. Palm meal with **high protein content with less than 10% fat*. Unmilled**



Protein A
Low Fat - High Demand

Palm Kernel

Palm Kernel Meal



Protein C
Local Quality

Palm kernel meal with a relatively coarse texture, relatively affordable price, and suitable for mixing with other grades of palm kernel meal.

Palm kernel meal, also known as "Palm Flour," is highly sought after by animal feed producers because it is not only high in protein but also low in fat. Palm kernel meal contains **high protein levels with fat content of less than 10%*** and is in powder form.



Tepung Sawit
High Demand

Palm Kernel

Palm Kernel Shell

Palm kernel shell with **high combustion temperature***. It has a hard, thick structure with a dense consistency. Suitable as a substitute/blend for coal and possesses high calorific value.



Dura A
Dry - Export Quality



Dura A
Moist - Export Quality

Palm kernel shells with a **combustion temperature reaching 250°C**. They are hard, thick, and have a dense structure. They have been trusted as a substitute for coal by several factories in East Java.



Dura B
Export Quality

Palm kernel shells have a **calorific value of 3880-4000 Kcal/Kg**. They feature a hard, thick structure, dense composition, low impurities, and slight moisture content. Suitable as an alternative to coal.

Palm Kernel

Palm Kernel Meal



Campur
Local Quality

Palm kernel shells mixed with dura and tenera varieties. A blend of thick and thin shells. Economical price, delivering maximum quality.



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For More Information:



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