

TOMATO POMACE AS A POTENTIAL ALTERNATIVE FEED SOURCE

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This research examines the sustainable utilization of food industry by-products, particularly tomato pomace, as animal feed. By analyzing the global issue of food waste, this study highlights the difference between consumer-level waste and industrial by-products, emphasizing the potential for their reuse. The experiment assessed the preservation potential of tomato pomace with different silage inoculants. Laboratory tests were conducted in micro-silos, where creating an anaerobic environment and ensuring effective compaction played a crucial role in optimizing the fermentation process. Preliminary results indicate that these materials can be effectively preserved through lactic acid fermentation while maintaining their nutritional value, potentially lowering feed costs and promoting a circular economy. This research underscores that the sustainable utilization of food industry by-products not only reduces waste but also provides economic and environmental benefits for livestock farmers.