

# CƠ SỞ CHỌN DẪY MÁY TRỘN THỨC ĂN GIA SÚC (QUI MÔ NHỎ) PHỤC VỤ CHO NÔNG THÔN MIỀN NÚI

Đỗ Thị Tám, Phạm Hồng Sơn

## TÓM TẮT:

In this paper, research results based on applied similitude theory for determining a range of mixing machines for animal feed which are appropriate to socio-economic rural areas have been presented. From the assumption of considering animal feed flour mass motion as similar to the resistance against the motion in viscous liquid, an equation predicting the motion of the mixing machine model as the Navie-Stok differential equation being derived from the equation of liquid dynamics has been established. In addition, from the Euler (Eu), Fraud (Fr), and Reynolds (Re) numbers, the force as required for moving mixing machine shaft in mixed flour media is set up. From the experimental research results, a range of mixing machines with specific power consumption of 1.5 kWh per ton of mixed product has been defined.