**Poultry layer feed formation with the usage of Salacia reticulata (Kothala himbutu) to reduce excessive fat accumulation**

Modern poultry layers may benefit from realistic and effective solutions for minimizing body fat deposition from changes in dietary content and feeding practices. It is crucial to control lipid metabolism based on dietary intake in order to lower the amount of abdominal fat. Either than the abdominal fat deposition a critical disease cause for layers by accumulation of fat is fatty liver syndrome which leads to reduced performance of laying hens, reduced egg production, egg quality, shortened egg production peak or no peak and also sporadic deaths in laying hens.

To change the dietary content in order to reduce excessive fat accumulation in layers, a feed can be formed including an herbal plant product *Salacia reticulata* which has a high rate in metabolism of lipids. *Salacia reticulata* (Kothala himbutu) is effectively improves insulin resistance, glucose metabolism and reduces obesity.

Edible mushroom wastes can be included to the feed of layers to recover the protein requirement.

Pumpkin seeds are added in formation of the feed to fulfil the essential mineral, vitamin and lipid requirements and pumpkin skin is added to improve the yellowish colour in the egg-york of laying eggs.

Broken rice and *Colocasia esculenta* is suggested to use as the main carbohydrate source which also able in adding a mineral value to the feed. It is profitable to include grinded egg shells into the feed ration as a calcium supplement.

Key words: *Salacia reticulata*, Abdominal fat,Metabolism, *Colocasia esculenta,* Profitable