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**MGI 101 - CHALLENGE IN APPLYING QUANTITATIVE ANALYSIS ON BULL
SEMEN QUALITY IN MALAYSIA**

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ABSTRACT

There is a huge challenge in managing quality control (QC) for Malaysian semen production centres (MSPCs) supplying bull semen to breeders and State Department of Veterinary (SDV). MSPCs are moving away from subjective semen assessment that is largely uncorrelated to field fertility, to objective semen analyses that incorporate computer assisted sperm analysis (CASA) and flow cytometry. A quantitative analysis (QA) approach to semen analysis using a combination of CASA and flow cytometry can provide MSPCs with the highest QC for bull semen production. This paper will describe how this QA approach could be applied in MSPCs to establish QC procedures of bull semen production before the release of the product in the field.

Keywords:: Quality control; quantitative analysis; CASA; flow cytometry; bull semen.

MGI 102 - EARLY DETECTION OF GANODERMA BONINENSE IN OIL PALM

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