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e-MEVA (e-method verification) software

PRODUCT TAGLINE: “In-house local brand that meets the international standard, user friendly, stable, secured and ISO compliance in laboratory testing”

INTRODUCTION

- The basic application of e-MEVA is to perform data verification analysis and managing information of diagnostic test method for Medical Lab or Research institute that has variety of high-tech testing equipment with high sample load.
- It is designed such way that it can handle a large set of variable data formats
- Easy-to-use data analysis; efficient system and flexibility make it accessible to user with all skill levels to comply the ISO standard and ensure the laboratory accreditation status is achieving.

PROBLEM STATEMENT

- Data verification method for a laboratory is a complex task and most importantly need to comply the ISO standard
- Inaccurate laboratory results lead to medical error that complicates patient management decision.
- Unfortunately, the process involves manual data entering, abundance of tedious steps with difficult and sophisticated formula **which lead to human error and stress.**

INVENTIVENESS AND NOVELTY

- Comply the ISO 15189:2014 and ISO 900:2008,15189 and 17025
- The analyzed data by e-MEVA software is 100% similar with using SPSS (Statistical Package for the Social Sciences) program

USEFULNESS AND APPLICATION

- e-MEVA has **TWELVE (12)** sophisticated verification function or test method as listed: a) Repeatability [within run precision], b) Reproducibility [between run precision], c) Carry Over Study, d) Correlation Study, e) Drift Monitoring System, f) Six Sigma for Medical Laboratory, g) Linearity Study, h) Sensitivity Study, i) Measurement of Uncertainty, j) Recovery Study, k) Lot to Lot Reagent Verification, and l) Total Precision
- Automated data calculation with a wide range of algorithms and capabilities and graphical data-science
- User password; secured data safety; download function; printing the analyzed results and alert system for the next verification process

STATUS OF INVENTION

- Technology Readiness Level (TRL): 6

COMMERCIAL POTENTIAL

- All Medical Diagnostic Lab / Research Institute (Public & Private) Malaysia and South East Asia.

POTENTIAL PARTNERS

- RN Technologies Sdn. Bhd. Jalan Nusa Sentral, 79100 Nusajaya Johor.

KNOWLEDGE MANAGEMENT

- Innovation Seed Fund 2019

IMPACT OF THE PRODUCT

- Enhance customer satisfaction through the effective application of the system, including processes for maintaining and comply the ISO standard with international quality recognition
- Improve management efficiency, minimize organization risk and safe money
- Institution able to anticipate changes and take action to improve outcome



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