

MyNutriKidney Apps: A Personalized Nutrition Tool to Empower Dietary Self-Management for Chronic Kidney Disease (CKD) Patients TM NO: TM2020012033; TM2020012034



BRIEF TECHNOLOGY

mobile health based application (mHealth) coined as "MyNutriKidney®" developed using a hybrid framework and support both and roid and iOS devices. MyNutriKidney® is a multi-language, theory-based, individualized self-management tool to enhance dietary adherence in patients with chronic kidney disease (CKD).

PROBLEM STATEMENT & CURRENT ISSUES



Technical quality (MARS) ^b	Mean score	Max score
Overall	13.45 ± 2.07	25.00
Engagement ^b	2.41 ± 0.66	5.00
Functionality ^b	3.79 ± 0.45	5.00
Aesthetics ^b	2.91 ± 0.47	5.00
Information ^b	2.27 ± 0.59	5.00
Subjective quality ^b	2.08 ± 0.48	5.00

USEFULNESS & APPLICATION

- Tailored nutritional need for each individuals according to age, gender, stages of CKD, present of comorbidities (i.e. diabetes) and treatment evidencemodality using based algorithm.
- Provide interpretation and and
- Can be used in heterogenous CKD population (e.g. nonhemodialysis,





Support 12th Malaysia Strategic Plan to leverage universal access to quality health care and improve health literacy

MARKET POTENTIAL

- Potential users: CKD population (including those who are on dialysis) professionals care givers, health care including nephrologists, doctors, nurses, dietitians. health care industry player.
- The framework used is scalable and ready to support other platform such as web-based and Windows in future.
- Potential for adaptation to other chronic disease population (e.g.



Include video explanation to

enhance understanding

diabetes mellitus, hypertension and hypercholesterolemia)

TRL : 6 - Demonstration in real environment



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#UNSDG 3 GOOD HEALTH AND WELL-BEING **10** REDUCED INEQUALITIES

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