**Title of the Innovation (Full Title)**

Innovator One1, Innovator Two2, Innovator Three2

1Department, Faculty, University

2Department, Faculty, University

3Department, Faculty, University

1E-mail:

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3Mobile No.:

# Summary of Product (250 words) Micro-encapsulated OROSYN mouthwash (micro-OROSYN) is the world first symbiotic-based oral care product that promote a healthy oral cavity by inducing a balance the oral microbiome. Micro-OROSYN which is developed in collaboration with NFA Technologies Sdn Bhd. was produced through combination of probiotic and prebiotic that specifically targeting imbalance microbiome thus reducing the colonisation of pathogen.

# Technical Description (500 words)

Micro-OROSYN is a formulated mouthwash that comprises of micro-encapsulated oral synbiotic, which is a combination of probiotic Streptococcus salivarius K12 and prebiotic Musa acuminata (banana) skin extract that balance the oral microbiome. A balance microbiome can prevent oral diseases including oral candidosis, dental caries and halitosis. Recent study has also shown that a balance oral microbiome can reduce the severity of COVID-19 infection, indicating the relevance of the product. Our advance microencapsulation technique using alginate allows the slow release of the active compounds, which increases the sensitivity of the product.

# Poster of Innovation (Photo)

Minimum 1 Photo – JPG Format Max 2MB

# IP Document Evidence (Copyright Document/Patent Document – For Patent application Minimum must have Patent. File No.)

# Innovation Photo (Minimum 2)

Photo – JPG Format Max 2MB