

Project Brief

Smart Nurse

ID Grup: CPNG-97

Nama Anggota:

1. P2297A272 – Ahmad Ikhwan Muzadi
2. P2108A072 – Jonathan
3. P7371A360 – Elis Trisnawati
4. P7253D213 – Fadilla Cendikia Muslim

Tema yang dipilih: Health and Sports

Project Background:

Peran tenaga kesehatan semakin penting, terutama setelah pandemi COVID-19. Semua pasien berharap mendapatkan pelayanan maksimal meskipun jumlah tenaga kesehatan terbatas. Akibatnya pelayanan menjadi lambat dan mengecewakan. Hal ini terjadi karena prosedur perawatan rawat inap masih menggunakan cara lama. Pasien harus menekan tombol “nurse call” dan menunggu kedatangan perawat untuk menyampaikan permintaannya. Oleh karena itu, diperlukan sebuah solusi atas permasalahan tersebut. Permintaan-permintaan yang sifatnya rutin dapat diakses dan di-monitor dengan mudah oleh pasien dan perawat. Permintaan akan ditampung oleh sistem sehingga diurutkan berdasarkan prioritas dan kebutuhan mendesak. Dengan demikian perawat dapat memberikan pelayanan terbaik kepada pasien. Dengan menggunakan metode KAIZEN, sehingga produktivitas perawat menjadi lebih optimal.

Screenshots

21:46 | 16.7KB/s

SMART NURSE

SMART BUTTON

EMERGENCY BUTTON

GENERAL REQUEST BUTTON

Request

Medication

Meal

Lab

Profile

21:46 | 34.6KB/s

SMART NURSE

Breakfast

Lunch

Dinner

Fruit

Request

Medication

Meal

Lab

Profile

21:46 | 27.1KB/s

SMART NURSE

03 SUNDAY
JULY 2022

08:13

[EMERGENCY BUTTON] TONO
R: VOMIT IS CLOSE

08:14

[SMART BUTTON] TONO
R: INFUSION IS CLOSE

08:16

[EMERGENCY BUTTON] TONO
R: VOMIT IS CLOSE

08:16

[SMART BUTTON] TONO
R: INFUSION IS IN_PROGRESS

08:36

[SMART BUTTON] TONO
R: SYRINGE IS OK

08:44

[EMERGENCY BUTTON] TONO
R: BLOOD IS OK

08:56

[EMERGENCY BUTTON] TONO
R: BLOOD IS IN_PROGRESS

Task

Patient

Activity

Profile

21:46 | 84.5KB/s

SMART NURSE

181C431ED4803-Jul-2022 08:13
TONO
SMART BUTTON: SYRINGE
KENANGA 10

ELIS

181C45A774403-Jul-2022 08:57
TONO
SMART BUTTON: INFUSION
KENANGA 10

ELIS

181C47D0C0E03-Jul-2022 09:35
TONO
SMART BUTTON: INFUSION
KENANGA 10

ELIS

181C47D360803-Jul-2022 09:35
TONO
EMERGENCY BUTTON: VOMIT
KENANGA 10

ELIS

181C47DCBC803-Jul-2022 09:36
TONO
SMART BUTTON: SYRINGE
KENANGA 10

ELIS

Task

Patient

Activity

Profile

21:46 | 97.7KB/s

SMART NURSE

ANNA
082126974321

Room / Bed

KENANGA 01

Doctor in Charge

SUNARYO

Bracelet Color

PINK

Check in Date

10-JUNI-2022

Nutrition

TKTP

Preferred Meal

BF: BUBUR
LN: NASI SOTO
DN: NASI SOTO

Task

Patient

Activity

Profile

21:46 | 39.8KB/s

SMART NURSE

000401-JULI-2022 06.00
HEMOGLOBIN
CEK KADAR HB
12,3-15,313,2

000101-JUL-2022 10:00
TROMBOSIT
CEK DARAH BEKU
150-440229

000201-JUL-2022 11:00
LED
LAJU ENDAP DARAH
0-2020

Request

Medication

Meal

Lab

Profile

User-accessible Link (opsional):

Latest Version: smart-nurse-v9.apk

Link: <https://drive.google.com/file/d/1U5gLw8Xh0q5ipihe098r9oeU8wlmfhVO/view?usp=sharing>

Github Repo Link:

<https://github.com/elistrisnawati/smartnurse>

10-Min Video Presentation Link:

<https://drive.google.com/file/d/1sFVNqbRkwBbcC-4yipiXaspJkoj2l0Rw/view?usp=sharing>

Slide Presentation Link:

<https://drive.google.com/file/d/1otAWpGewE8muAl5MlfrcouZJiNk9KrNe/view?usp=sharing>

Demo Video Link

Low Res:

<https://drive.google.com/file/d/1d1ewGLnJcqn-2MB0AOugOcbloFw-Yrxy/view?usp=sharing>

High Res:

<https://drive.google.com/file/d/1d1ewGLnJcqn-2MB0AOugOcbloFw-Yrxy/view?usp=sharing>

Other Resources Link:

- **Library or external repository/API used:**

Back End: Rest Service menggunakan <https://spring.io/>

Front End: Flutter dengan component seperti: android_alarm_manager_plus, cupertino_icons, flutter_local_notifications, flutter_native_timezone, font_awesome_flutter, google_fonts, http, intl, path_provider, provider, rxdart, shared_preferences, sprintf.

Security: OAUTH2

- **Dataset Link:**

N/A

● **Academic Paper Link:**

[1]

<https://www.bhaktirahayu.com/info/patient-safety-for-a-great-hospital-gelang-identitas-pasien>

[2]

<https://ulpk.bbg.ac.id/standar-operasional-prosedur-sop-keperawatan/>

[3]

<https://staffnew.uny.ac.id/upload/131572389/pendidikan/Bentuk+Makanan.ppt>

● **References Link:**

[1]

<https://en.wikipedia.org/wiki/Nursing>

[2]

https://en.wikipedia.org/wiki/Nursing_home