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evrynda wspd <evrynda.wspd@gmail.com>
to me, mmiftakulamin, rahmatbudiarto1961, beei ▾

Fri, Jan 3, 2020, 1:10 PM ☆ ↶ ⋮

Dear Author;

I'm Evrynda, staff from BEEI. We hope this email reaches you well. We want to inform you that your paper ID 1825 entitled " **Interoperability framework for integrated e-health services** " already published in February 2020 Issue. Please check the pdf of your paper that attach in here. We suggest you to checking your paper and the pdf was uploaded in BEEI OJS.

If you have something to tell us about your paper, please reply to this email. We wait for your response until January 07, 2020.

Thank you for your cooperation.

Sincerely yours,
Evrynda Widyasari Puspa Dewi
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Draft Jurnal Internasional Inbox x



M. Miftakul Amin <mmiftakulamin@gmail.com>
to me ▾

Thu, Sep 26, 2019, 1:19 PM ☆ ↶ ⋮

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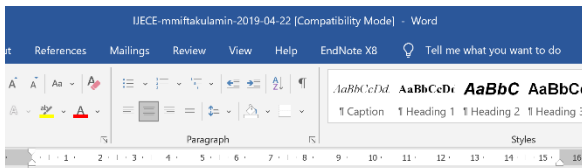
Ass.

Pak Deris,

Terlampir draft Jurnal yang sudah direvisi, mohon dikabari kembali jika ada yang masih perlu kami perbaiki.

Terimakasih,





Interoperability Framework for Integrating E-Health Services

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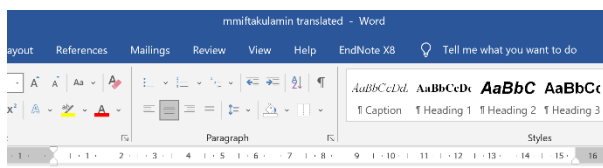
ABSTRACT

Sebagai salah satu Negara dengan penduduk terbesar di dunia, Indonesia dihadapkan pada tantangan besar untuk melayani masyarakat dalam berbagai bidang, salah satunya dalam bidang kesehatan. Pemanfaatan Teknologi Informasi dan Komunikasi (TIK) dapat berperan untuk meningkatkan efisiensi dan mempermudah akses layanan. Permasalahan yang dihadapi adalah berkaitan dengan interoperabilitas, yaitu kemampuan untuk mengintegrasikan dan melakukan sinkronisasi data yang bersumber dari sistem informasi kesehatan (*e-health*) dan berbeda platform (*heterogen*). Penelitian yang dilakukan ini bertujuan membangun *framework* untuk mewujudkan interoperabilitas pertukaran data dan informasi dalam sistem *e-health*. Interoperabilitas diwujudkan dengan menggunakan paradigma *Service Oriented Architecture* (SOA) yang diimplementasikan menggunakan teknologi Web Service. *Service Oriented Analysis and Design* (SOAD) digunakan sebagai metodologi dalam pengembangan sistem pada tahap analisis dan perancangan untuk menghasilkan service portfolio yang terdiri dari tiga level yaitu *conceptual view*, *logical view*, dan *physical view*. Dalam penelitian ini disajikan *Interoperability Matrix* (IM) yang digunakan untuk mengaitkan modul-modul dan entitas yang terlibat dalam rancangan *framework* interoperabilitas. Penelitian ini telah menghasilkan sebuah *framework* yang dapat dijadikan sebagai rujukan dalam pengembangan *e-health* pada beragam aplikasi layanan kesehatan.

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Interoperability Framework for Integrating E-Health Services

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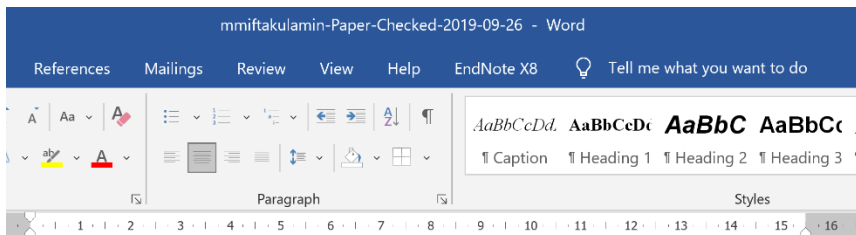
As one of the country with largest population in the world, Indonesia is facing major challenge to serve people in various sectors, one of them is health sector. Utilization of Information and Communication Technology (ICT) have role to improve efficiency and expanding services access. Problem which faced are related to interoperability, which is the ability to integrate and synchronize data which sourced from health information system (*e-health*) and different platforms (*heterogeneous*). This research aimed to build framework to realize interoperability of data and information exchange in *e-health* systems. Interoperability is realized using *Service Oriented Architecture* (SOA) paradigm which implemented using *Web Service* technology. *Service Oriented Analysis and Design* (SOAD) is used as method in development of the system at the analysis and designing phase to generate service portfolio which consisting of three levels, which are *conceptual view*, *logical view*, and *physical view*. In this research presented *Interoperability Matrix* (IM) which used to describe the modules and entities which involved in *framework* interoperability design. This research is resulting a *framework* which can be used as reference in *e-health* development in variety of health care applications

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Interoperability Framework for Integrated E-Health Services

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ABSTRACT

As one of the country with largest population in the world, Indonesia is facing major challenge to serve people in various sectors, one of them is health sector. Utilization of Information and Communication Technology (ICT) has a strategic role in improving efficiency and expanding services access. The main challenge related to data interoperability is the ability to integrate and synchronize data sourced from health information (*e-health*) systems with different (*heterogeneous*) platforms. This research aims to build a framework to materialize data interoperability and information exchange among *e-health* systems. The interoperability is materialized by utilizing *Service Oriented Architecture* (SOA) paradigm and is implemented using *Web Service* technology. *Service Oriented Analysis and Design* (SOAD) is used as method in the system development at the analysis phase and designing phase to generate service portfolio which consisting of three levels: *conceptual view*, *logical view*, and *physical view*. This research introduces *Interoperability Matrix* (IM) to describe the modules and entities that involved in the *framework* design. The *framework* resulted from this research can be used as reference in *e-health* systems development in variety of health care applications

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