

EVA NURJANAH, 19.230.0045

SISTEM INFORMASI MANAJEMEN SISWA PRAKERIN (SIM-WAPRA)  
BERBASIS WEB DI SMK NEGERI 1 SRAGI.

dibawah Bimbingan Arief Soma Darmawan, ST., M.Kom. dan Eny Jumiati,  
S.Kom., M.Kom.

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## **ABSTRAK**

*SMK Negeri 1 Sragi Merupakan salah satu Sekolah Menengah Kejuruan yang berada di wilayah Kabupaten Pekalongan, dengan akreditasi A. Untuk program keahlian sampai tahun 2015 SMK Negeri 1 Sragi melakukan penambahan 3 program keahlian yaitu Teknik Sepeda Motor (TSM), Teknik Kendaraan Ringan (TKR) dan Teknik Kimia Industri (TEKIN). Proses manajemen kegiatan praktek kerja industri di SMK Negeri 1 Sragi dilakukan secara manual dengan media kertas dan media Microsoft Excell. Kegiatan prakerin tersebut meliputi Pengajuan tempat prakerin, Penerjunan Siswa prakerin, Monitoring Siswa Prakerin, Penarikan Siswa Prakerin dan Penilaian siswa Prakerin. Kepala jurusan mengalami kesulitan dalam proses penempatan dan pembagian siswa prakerin dalam memanajemen secara keseluruhan mengenai kegiatan prakerin, sehingga diperlukan sebuah sistem yang dapat memanajemen dan mengkoordinir proses kegiatan tersebut. Serta, guru pembimbing mengalami kesulitan pada proses penentuan nilai akhir siswa karena setelah lembar nilai diisi dari pihak DUDI, guru pembimbing menghitung secara manual untuk menetapkan nilai akhir keseluruhan dari semua aspek penilaian siswa. Metode pengumpulan data yang digunakan yaitu Observasi dan Wawancara. Sedangkan, metode pengembangan yang digunakan yaitu berurutan secara bertahap atau waterfall yang terdiri dari Communication, Planning, Modeling, Construction dan Deployment. Adapun metode pengujian yang digunakan meliputi pengujian white box, black box dan, user acceptance test (UAT). Hasil dari pengujian tersebut yaitu Terwujudnya Sistem Informasi Manajmen Siswa Prakerin Berbasis Web di SMK Negeri 1 Sragi. Sistem ini dapat membantu dalam pelaksanaan Manajemen kegiatan prakerin dari proses pengajuan sampai penilaian siswa prakerin. Diharapkan untuk penelitian selanjutnya dapat dikembangkan dengan penambahan fitur chatting untuk guru pembimbing dengan siswa.*

**Kata Kunci** : Sistem Informasi Manajemen, Prakerin, Waterfall

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## ABSTRACT

*SMK Negeri 1 Sragi is one of the Vocational High Schools in the Pekalongan Regency area, with accreditation A. For skills programs until 2015, SMK Negeri 1 Sragi added 3 skill programs, namely Motorcycle Engineering (TSM), Light Vehicle Engineering (TKR) and Industrial Chemical Engineering (TEKIN). The management process for industrial practical work activities at SMK Negeri 1 Sragi is carried out manually using paper and Microsoft Excel media. These internship activities include applying for internship places, recruiting internship students, monitoring internship students, withdrawing internship students and assessing internship students. The head of the department experienced difficulties in the process of placing and distributing internship students in overall management of internship activities, so a system was needed that could manage and coordinate the process of these activities. Also, the supervising teacher experienced difficulties in the process of determining the student's final grade because after the mark sheet was filled in by DUDI, the supervising teacher calculated manually to determine the overall final score for all aspects of the student's assessment. The data collection methods used were observation and interviews. Meanwhile, the development method used is sequentially in stages or waterfall consisting of Communication, Planning, Modeling, Construction and Deployment. The testing methods used include white box, black box and user acceptance tests (UAT). The results of this testing are the realization of a web-based internship student management information system at SMK Negeri 1 Sragi. This system can The results of this testing are the realization of a web-based internship student management information system at SMK Negeri 1 Sragi. This system can The results of this testing are the realization of a web-based internship student management information system at SMK Negeri 1 Sragi. This system can The results of this testing are the realization of a web-based internship student management information system at SMK Negeri 1 Sragi. This system canassist in the implementation of management of internship activities from the application process to assessment of internship students. It is hoped that further research can be developed by adding a chat feature for supervising teachers and students.*

**Keywords :** *Management Information Systems, Prakerin, Waterfall*



