**LAPORAN**

**MENINGKATKAN SAFETY KAPAL NELAYAN INDONESIA DENGAN UI/UX**

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**BAB I**

**PENDAHULUAN**

1. **Latar Belakang**

Kapal merupakan alat transportasi perhubungan manusia dan pengiriman barang dari suatu wilayah ke wilayah lain. Kapal dapat dikelompokkan dalam bermacam – macam jenis, dalam penggolongannya kapal di bedakan berdasarkan bahan pembuat kapal, alat penggeraknya, fungsi dan kegunaan kapal. Kapal kapal yang di gunakan dalam kegiatan sehari hari bukan untuk perang, namun kapal digunakan untuk mengangkut barang, penumpang bahkan ikan. Pada dasarnya kapal yang digunakan untuk semua kegiatan baik untuk mengangkut barang ,penumpang dan ikan maupun kegiatan lain dalam pembuatannya memerlukan sistem keamanan yang baik pada saat kapal tersebut beroprasi. Untuk menunjang tingkat keamanan yang di perlukan pada kapal tersebut, maka dalam pembuatannya kapal tersebut harus dilengkapi dengan sistem perlengkapan keamanan sesuai standar .

[Keselamatan](https://www.safetyshoe.com/manfaat-sepatu-safety-definisi-untuk-pekerja/) kerja  merupakan prioritas penting bagi pelaut saat bekerja di atas kapal. Untuk mencapai keamanan maksimal di kapal, langkah awal memastikan bahwa seluruh kapal memakai peralatan pelindung pribadi mereka dibuat untuk berbagai macam jenis pekerjaan yang dilakukan pada kapal.

Oleh karena itu meningkatkan safety pada kapal ini sangat penting sekali agar tidak timbul masalah-masalah atau kecelakaan. Dan UI/UX design mempunyai peran yang penting agar masalah-masalah yang terjadi tidak terulang Kembali. Karena desain pada sebuah kapal harus sesuai standar dan terorganisir. Selain itu User Interface dan User Experience (UI/UX) harus sesuai dengan kebutuhan pengguna. User Interface dan User Experience (UI/UX) dibangun dengan melihat kebutuhan pengguna atas sebuah benda atau produk yang akan dibangun mulai dari desain tampilan, fitur-fitur, dan berbagai kebutuhan lainnya.

1. **Rumusan Masalah**
2. Bagaimana cara memahami permasalahan user ?
3. Bagaimana cara memberikan solusi kepada user ?
4. Bagaimana cara UX mendesain dan menyelesaikan permasalahan ?
5. **Tujuan**
6. Memahami peran UI/UX dalam mendesain suatu barang/produk.
7. Memahami permasalahan user dan menganalisis kesalahan user.
8. Memberi solusi untuk menyelesaikan masalah user.
9. Memenuhi tugas Interaksi Manusia Komputer.

**BAB II**

**PEMBAHASAN**

1. **Aplikasi GIMP**

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GNU Image Manipulation Program atau yang lebih dikenal dengan sebutan GIMP adalah perangkat lunak untuk manipulasi grafik berbasis raster. GIMP adalah aplikasi sumber terbuka untuk mengolah grafis Bitmap. GIMP dapat dimanfaatkan untuk membuat grafik dan logo, mengubah resolusi dan memotong foto, mengubah warna, menggabungkan berbagai macam gambar atau mengkonversi berbagai macam jenis berkas gambar.

GIMP berjalan pada desktop GNOME dan dirilis dengan lisensi GNU General Public License. GIMP pada awalnya dikembangkan untuk desktop X11 yang berjalan di platform Unix. Namun saat ini *perangkat lunak*  ini sudah diporting ke beberapa platform system operasi yang lain yaitu MS Windows dan Mac OS. Grafik yang dihasilkan oleh GIMP disimpan dengan format XCF dan bisa diekspor ke berbagai format gambar seperti bmp, jpg, gif, pdf, png, svg, tiff, dan masih banyak lagi yang lainnya.

GIMP menyediakan banyak sekali plugin yang memudahkan dalam mengolah gambar (*image*) dengan cepat. Pengembang dan pengelola GIMP memiliki visi produk GIMP untuk berusaha menjadi perangkat lunak grafis kelas atas dalam menyunting dan menciptakan gambar asli, foto, ikon, elemen grafis halaman web, dan seni untuk elemen antarmuka pengguna.

1. **Kronologi Kecelakaan kapal nelayan**

**Sebuah gambar berisi luar ruangan, air, perahu, menaiki

Deskripsi dibuat secara otomatis**

**Luwu Timur** – Dua perahu nelayan di Luwu Timur, Sulawesi Selatan (Sulsel), terlibat tabrakan. Satu orang meninggal dunia akibat insiden tersebut. “Korban atas nama Yasbar ditemukan meninggal dunia,” ujar Kapolres Luwu Timur AKBP Indratmoko kepada wartawan, Minggu (26/4/2020).

Kecelakaan perahu terjadi di Sungai Lagawari, Desa Lakawali, Kecamatan Malili, Luwu Timur, pada pukul 01.00 Wita, dini hari tadi. Korban merupakan warga Kabupaten Pangkep yang tengah mencari rezeki di Luwu Timur. Peristiwa bermula saat korban dan rekannya, Suardi, selesai panen ikan di empang. Perahu keduanya kemudian bergerak ke Pelabuhan Lakawali Pantai. Kemudian datanglah nelayan bernama Alex, yang perahunya bergerak dari arah sebaliknya.

“Kemudian terjadilah tabrakan antara kedua perahu yang mengakibatkan Yasbar alias Abba terjatuh ke dalam sungai,” terang Indratmoko. Saat jatuh, Yasbar sempat dinyatakan hilang. Aparat dan warga setempat pun melakukan pencarian, tapi korban ditemukan dalam keadaan tewas pada pukul 08.20 Wita atau sekitar 8 jam setelah pencarian dilakukan.

“Selanjutnya sekitar pukul 09.50 Wita, korban dibawa ke kampung halamannya di Desa Kasiloe Kecamatan Labakang, Pangkep, menggunakan mobil jenasah Pemda Lutim (Luwu Timur) dalam keadaan aman dan kondusif,” terang Indratmoko.

Sementara itu, saat ditanya mengenai penyebab kecelakaan, dia mengatakan kedua perahu tidak memiliki penerangan. Selain itu, kondisi cuaca sedang buruk.

“Tabrakan antarperahu motor nelayan ini karena kondisi cuaca pada keadaan hujan dan gelap tengah malam, di mana kedua perahu motor tidak memiliki penerangan sehingga kedua operator perahu tidak dapat melihat secara normal,” pungkas Indratmoko.

1. **Permasalahan Kapal Nelayan di Indonesia**

Masalah pertama adalah pada detik, di mana antara lain nelayan masih sulit mendapatkan bantuan kapal, lalu belum semua nelayan mendapatkan asuransi jiwa yang diberikan oleh KKP, hingga tingginya biaya solar.

Kemudian masalah berikutnya ada pada etika keuangan. [Nelayan](https://indonesiabaik.id/infografis/alat-penangkap-ikan-ramah-lingkungan-bagi-nelayan) disebut masih kurang dalam akses permodalan untuk biaya operasional melaut (contohnya perlengkapan laut). Juga masih ada pemanfaatan solar oleh pihak yang seharusnya tidak berhak. Nelayan juga masih kurang pengetahuan mengenai pemanfaatan pendapatan untuk pengembangan usaha.

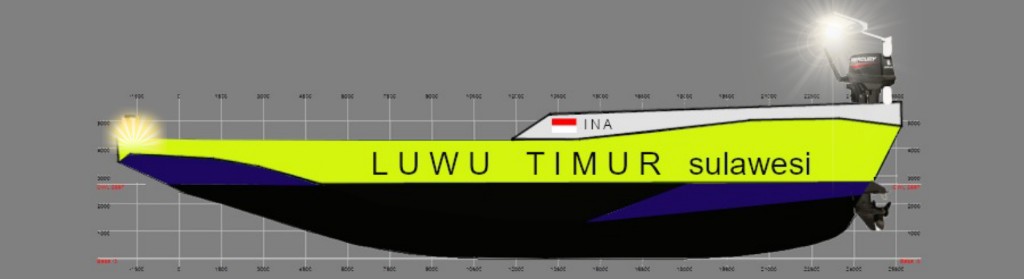
Masalah operasional melaut menjadi masalah yang sering dijumpai. Berupa kurangnya perlengkapan laut seperti Kapal yang tidak layak pakai, minim pencahayaan dan tidak ada alat keselamatan bagi nelayan itu sendiri berupa rompi dan pelampung.

1. **Solusi**

**Sebuah gambar berisi monitor, layar, jam, permainan

Deskripsi dibuat secara otomatis**

1. Pencahayaan Kapal



Melengkapi lampu penerangan pada kapal dipasang di bagian kedua sisi yaitu di moncong perahu dan dibagian belakang kapal. Alasan dari pelengkapan penerangan di kedua sisi sebagai tanda keberadaan perahu dan juga sebagai penerangan medan yang di lalui. Di samping itu, ketidak lengkapan penerangan merupakan masalah utama dari kasus yang dianalisis.

* Warning Light

Sebuah gambar berisi cangkir, objek, lampu, meja

Deskripsi dibuat secara otomatis

Fungsi :

Lampu peringatan (Warning Light) dirancang untuk meningkatkan keamanan kapal dan menunjukkan posisi benda utama di malam hari atau cuaca buruk.

Keunggulan :

Baterai lithium di dalam lampu dapat diisi ulang oleh tenaga surya dan angin sepanjang hari dan semua lampu peringatan dapat secara otomatis mengeluarkan lampu berkedip.

* Lampu LED Tenaga Surya

![Sebuah gambar berisi teks

Deskripsi dibuat secara otomatis](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEARwBHAAD/4SUoRXhpZgAATU0AKgAAAAgACgALAAIAAAAmAAAIkgESAAMAAAABAAEAAAEaAAUAAAABAAAIuAEbAAUAAAABAAAIwAEoAAMAAAABAAIAAAExAAIAAAAmAAAIyAEyAAIAAAAUAAAI7gITAAMAAAABAAEAAIdpAAQAAAABAAAJAuocAAcAAAgMAAAAhgAAEcIc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAFdpbmRvd3MgUGhvdG8gRWRpdG9yIDEwLjAuMTAwMTEuMTYzODQAAAEZLwAAA+gAARkvAAAD6FdpbmRvd3MgUGhvdG8gRWRpdG9yIDEwLjAuMTAwMTEuMTYzODQAMjAyMDowOToyNSAxNDo1MzoxOQAAC5AAAAcAAAAEMDIxMJADAAIAAAAUAAARmJAEAAIAAAAUAAARrJEBAAcAAAAEAQIDAJKRAAIAAAADMDAAAJKSAAIAAAADMDAAAKAAAAcAAAAEMDEwMKABAAMAAAABAAEAAKACAAQAAAABAAABkKADAAQAAAABAAABkOocAAcAAAgMAAAJjAAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA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BAQEBAAAAAAAAAAABAgMEBQYHCAkKC//EALUQAAIBAwMCBAMFBQQEAAABfQECAwAEEQUSITFBBhNRYQcicRQygZGhCCNCscEVUtHwJDNicoIJChYXGBkaJSYnKCkqNDU2Nzg5OkNERUZHSElKU1RVVldYWVpjZGVmZ2hpanN0dXZ3eHl6g4SFhoeIiYqSk5SVlpeYmZqio6Slpqeoqaqys7S1tre4ubrCw8TFxsfIycrS09TV1tfY2drh4uPk5ebn6Onq8fLz9PX29/j5+v/EAB8BAAMBAQEBAQEBAQEAAAAAAAABAgMEBQYHCAkKC//EALURAAIBAgQEAwQHBQQEAAECdwABAgMRBAUhMQYSQVEHYXETIjKBCBRCkaGxwQkjM1LwFWJy0QoWJDThJfEXGBkaJicoKSo1Njc4OTpDREVGR0hJSlNUVVZXWFlaY2RlZmdoaWpzdHV2d3h5eoKDhIWGh4iJipKTlJWWl5iZmqKjpKWmp6ipqrKztLW2t7i5usLDxMXGx8jJytLT1NXW19jZ2uLj5OXm5+jp6vLz9PX29/j5+v/aAAwDAQACEQMRAD8A/VOiiigAoopOKAFprVH9oi37d67vTNZ/iHxDp/hnT3vtRuo7S3T+KRup7ADuT6Dk1hKvSjFzlKyRXLKTskaZpwrjPDvxO0rXtRFjJHdaXeSLvgt9RgMDzJ/eQHqP1GRnrXZL3Paow+Jo4qPPSkmVUpzpPlmrDqKKK6jMKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKa3pTqQ0AQyjpxn/AD/n86+SvitrGs6t4suP7Yt5LNospBbMchUz1B/iz6/4V9cNXN+NPAumeNbD7NfwjzFyYpl4eM+oP9O9fDcWZHWz3A+woTcXF3t0l5HnY7DTxVLkg9j46pK6nxx8PtT8C3hju0M9ox/d3ir8j88Bh2auXOf/ANf8q/lLGYPEYGtKjiY8sl0f6HwdSnOjJwmJRRSrnPHXtnp+PqPbvXGt9iBk00dvBJNLIsUMaM8kjsFVFAJLEngAY61JoOufLaatpF8pVlEtvd2rjaynuCOCOvse/Svmn9oL4lXfjTUL7wH4YmZbKxgkudf1GPJEUUa7miBHXBxkdSzbexrsf2S9Ok0/4M2c0rN/pV3cTxqTwqhtnA6fwN04yT719hWyOpgMtjmE58tS6suye3z/AEPq6+Q1MHlizCtUtNtWj5PW594/DL42W/iLydO1nZa6mflWXOEmPt6H2/KvWkYNmvhC31K0u7i6htrmGeazl8qdIZVLQvgEKwHQ4Ir2f4Z/HCbRxDpuvSNPaDCx3jD5o/ZvUe9fp/DPHTusHm7afSX+f+Y8JmTT9lid+59GUq5qrY3kV9bxzwOskUgDK6HIIPfNWV6mv3CMozipReh9GndXuOoooqxhSGlpKAG9BVPVZmg065lThlidgfcCrUjAcntzXlPiDxdeeJl1FIbxPDvhmzme3utWmK+dM6ttZIl6DkEbj1yMCvKzDGU8LSak/ektDpw9F1p6bGVofw3sNf8AhfBq0Nr53ie6szcx6g07rKbgqSG3Z45PbtWXqusW+hXj3mrXcXijxRargySErp+l9sjjBb/x9iMcUy48XahrFrZ+FfCtpd2mnRxCOKFXIu54x0aRj/x7ofU/OewFdx4J+D9ron2e71cR319H88VvGuLe2Y9Sin7zertknFfntOlLMJRhl9NaJKUn8N11XeXmfRVJfV054mW7do9beb6LyOA/4TKbVM6f4ttJ9XtJR9oTda/Zry3B6SwqOXQdflJde4rstE8ZX/hWxiuZ7pvFPhNh+71i2+a4tx6TKPvY4+YehyBXd+KPCmm+LLEW2o23mbTuilQlZIm7MrDlTXjuteGvEPwt1CTUbO5aaxbmS8SMtGw9LmJf/Rqc8ncK6a2Fx+UT9rzOcesluvVdV/VzGnUw+Njypcr7dPl2f9anuuk6raa1YxXllcR3dtKNySxNuVh7Gri9TXg/h7VUkvGuvC0seha5IvnTaDcSb7K+HJ3wsvGT6r68gV6x4J8VJ4s02W4+zyWdxBM9tcW0pBaKVThhkcH6ivrMtzaGOtCTSl5bP07ejPKxOElQd+nnv/wfVHRUUUV9EeeFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFJ6UtNPUUAUNZ0e01uxls72BLi3kUhlkGRXzf8TPgzeeE99/piveaVySqjMkA9CO6+/Wvp7v1xTJo1kQqwDA8YIzXyefcOYPPqLjXVpraXZnDisLTxUbSWvc+GPx69Mfz9q8d+P3xcuPCdrbeF/DatdeMNZxDBHb/ADNbI/Af/fPRR9T2r7d+KHwMjuvO1Tw8oinYkzWOcK+epT0b9D0r5pn+H2iW/jb/AISabSY4fEsUbW7TsuHXtgr/AHwBtDHkcjsK/nOtk8uGcbzZnTcopXjb4ZPpf/I+ew0KWWYh1cZDmitY22v0ueAeMvh/b/BH9nDW4y6y+ItZMMF9ebhks8gJRT/dChh7kmtzWPiMPgp8E/COiaavn+LdQ06L7FaRpvaJpBlpio64ZjtHckdgap/tma1Da+H/AAppc25oLnUDPLHGeWjjXBwfX94cH1Wp/gn4HuNf1S5+K/jUrBPKpl02GfiOytlX5ZMfwqEGFPYZPUivpac4YjLaeOzB815uXL/M9ox9FqfewlGvllPH4/VSm5KP8z2il5LU1fhv4Wsf2ffh7qnivxbdM+uXy+ffyGQvIWY5SBM/eYk5J6Fs5+UV0/wi+Oeg/FqzMdu39n6zEuZdMmcbiAPvxno4+nI4z2J+efGHxI0r48/FzSdM1jUm0XwBazskJbKiYjqzdlL5C5PCBhyCa93+I3wD0nxVDZaj4cdfDHiXTkT7DqFiDEuEA2K+3nAAGG5IAA+YHFcGYYPDRSebtxrVteZfDDtH/PsedmWBwlOMXm11Wra3S92C6Jrrpv2Po34d/FTUPAtyISGvNJc5a1YnK5/iT368d/1H014V8U6f4s01L2wuFnjbqM/Mp9COxr86/DnxNs9N8Vad4A1y++3+LVsI5J7mCALBJNtLtHx907QW54Oeg5FeueF/FmpeD9TW806cxtx5kbHMcoA6MPfnkdM8dTXdknFGN4cqxwmP96g17r8u67o+YhXr5bU9lifge3S6fVH2lk9KK4b4efFDTfHFmAjfZtQUfvbWQ4Ye49RRX9B4XMMNjKMa+HmpRfU+mhVjUipRO7ppp1JXomhGw7etcRqnw18Px3l5q4sv9J+e5w0jGNZSvMgTO0N/tV3JHPWqWtA/2Xd88eS//oJrzsbh6WIpN1Yc3Km0bUak6Ul7OVjkPg1pdtZ/D/SLuKBY7m8gWe5l6vK5ySWY8nmor7xBrvizXr7SvDk0Gn2Wnt5N3qs0XmnzcAlI0yASAec9Mir/AMKVLfDHw6M/8uUeP++ao/CuZLWPXtJlAXULPVLhpQx+Z1kcyI5+qsPyrwqUf3GGoJ8sZxu7aO9lp89/kd9R/vKtV6tP16kV1oHjXQ4TeWPiJNdkX5jY6jbJGsv+yroBtPYZ455rpfCfiK38X6DFfIjKJNySQTAb43U4dH7AggitmaRYYXlkbaigsxbpgda4n4R7rrStY1JF22upapcXVt6NGWChh/vFSfxrtVNYXFwo05XjNO6d3t1118jncvbUpTktVbVWRz2keB9D1Txr4v0yaxVbO3ktriFIWMZhkZWLNGVI2E8ZwecCvSfDHhyw8LaeLHToPItwS5yxZmYnJZiSSSfUmuX8J4/4Wf41/wByz/8ARbV3kXQjtUZPhaEYzrRiubmmr26cz0NcbWnKSi27Wj/6SiSiiivpDzQooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooASilpKAGNyvTNeefEb4Q2HjWM3MBSy1ZR8twBw/8Ast7e/UfmD6LxSNxXmY7L8NmVF4fFQ5osyqUoVYuM1dHwL8Tfg/p+rX1rp3i7REnuLGYTQ+YDng/wsOqtjkcg46ZHy/Pv7WXijWY20TwpFG+ieF9QaMXessjGJ+cbPk5CoMOV6kgcY5P6s+MvBWl+NtPNrfwBmGSky8PGfVT/AE6GvlX4tfB19It7nSteso9X0O6yomZcxyZ6Z/uOOo+nBBr8Kx+R4nhfFQxTj7XDRbt3hfr/AME8vDVJ5RiIVaq9pSjsn9m/Veh4/p/wd8F6r8M7HwzDawajohi82G9hZTI8hHM6SDoxx24wNuCvFN8MaSvwJ+GOotquu3Gs2OmrNcRPcgDy4sfu4lHX0Hpk8ADiqPww+EerfC3xNfwWGvtP4JmjMsGmXYaSWCYn1PAUDJyME8Z5GTwf7VHjCLVNV0TwEl+un28zLfardSkAQRDJUN3OBubaOSdgwe3y9KnVzLHvAwr+1oyfO9Nrav0fR20Z0YenVzLH/Uqdb2lJvmemqS1+T9NLln9l/wAL3Ws3GvfEzXP+QhrE0qWzscbI926RwTwPmG0E9kNdLN+054cn+JWn+FdLtrjWEuZfs76haDKLKThQinl1znJzj0rirRda+NGkxaZo/neCvhJpUXlNeSDZNfRRr8zDtjGSf4e5JPFQ/s1+D9O8QeMtZ8bQWC2Hh/TC1ho0THJVcfNIWPVwjHJPBMjdMce7i8Fha8sRjMfq4qygto30im118lt1PdxWDweIlXxmP96UVZRW0b6RTffyR9Q29xLazCWGVopV4DISpGR2xgjgjtRXgfib9pC91Lxanh/4d6EPF9zDua5mXeIiADwjDnAOMsflPQc8kr5Klk2bUYJRqKmnrZzSt8m0fERyXHUYr2jUG9bOVnZn6x/hR9a43xx8VvDvw+utPttYuLhbq/Dm3t7W2kndwoG7ARSe4rMs/jx4Nv8AQtZ1dNSkhttHCG9S4tZY5YQ5wmY2UMcnjiv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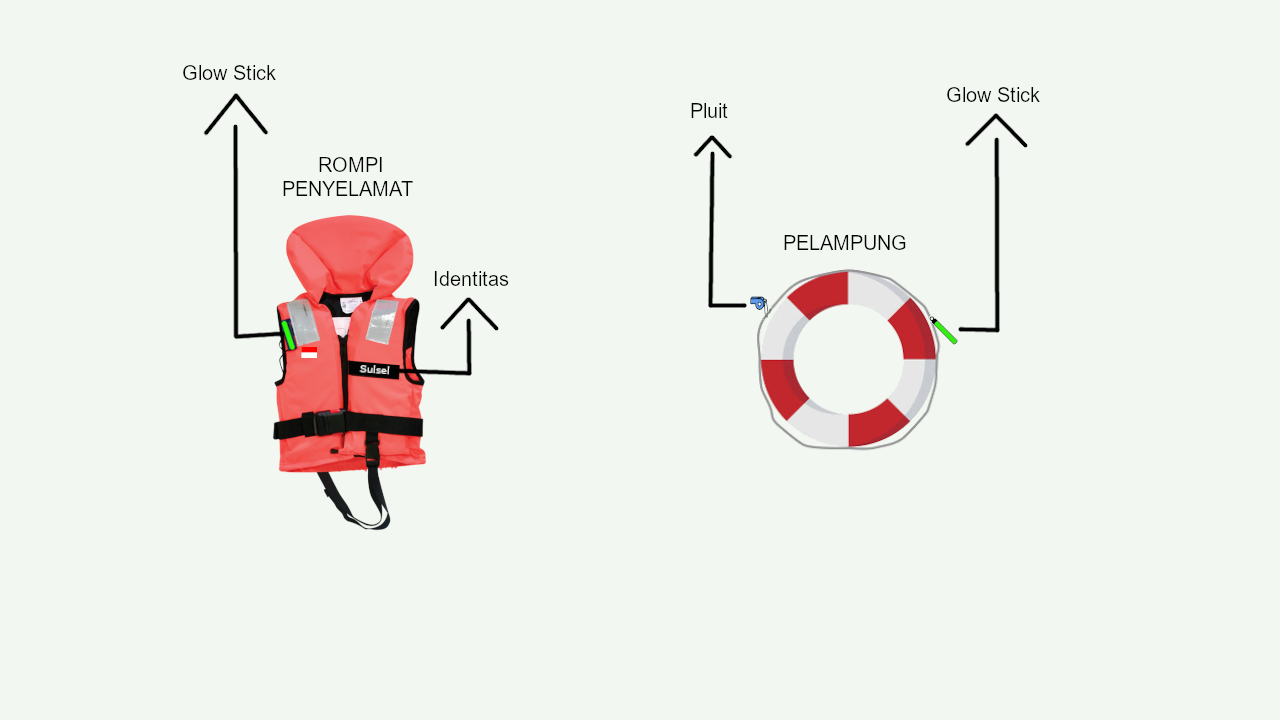
Fungsi:

Bisa digunakan untuk lampu peringatan dan juga penerangan utama kapal pada saat aktivitas malam hari, dan lampu ini bisa diputar 360 derajat menyesuaikan arahan user(nelayan) .

Keunggulan:

Menggunakan tenaga surya sehingga bisa menghemat biaya dan menghemat energi, mudah dipakai dan di isi ulang karena hanya menggunakan tenaga matahari . memiliki cahaya yang terang sehingga sangat efektif jika digunakan dimalam hari serta bisa digunakan disegala cuaca.

1. Alat Keselamatan



Alat [Keselamatan](https://www.safetyshoe.com/manfaat-sepatu-safety-definisi-untuk-pekerja/) kerja  merupakan prioritas penting bagi pelaut saat bekerja di atas kapal. Untuk mencapai keamanan maksimal di kapal, etika awal memastikan bahwa seluruh kapal memakai peralatan pelindung pribadi mereka dibuat untuk berbagai macam jenis pekerjaan yang dilakukan pada kapal.

Untuk mencapai keamanan maksimal di kapal, etika awal memastikan bahwa seluruh nelayan kapal memakai peralatan pelindung pribadi mereka dibuat untuk berbagai macam jenis pekerjaan yang dilakukan pada kapal.

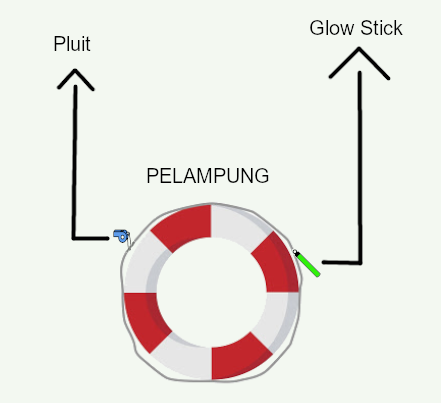
Perlengkapam keselamatan dibutuhkan etika nelayan terhempas dari perahunya, jadi penggunaan rompi dan juga pelampung bisa menyelamatkan nelayan dari insiden hanyut di lautan. Di pelampung juga sudah terpasang dengan pluit sebagai alat yang bisa digunakan untuk meminta pertolongan.

* Rompi Penyelamat (Pelampung)



Fungsi:

* Digunakan agar kita selalu mengambang di permukaan air.
* Agar tidak kedinginan dan tidak masuk angin
* Rompi memiliki effect jika terkena cahaya
* Memiliki Glow Stick digunakan disaat darurat jika membutuhkan penerangan
* Ada Sabuk digunakan untuk menaruh barang dan mengencangkan rompi ke badan.
* Pelampung



Fungsi :

* Digunakan agar kita selalu mengambang di permukaan air.
* juga biasa dipakai sebagai alat penolong etika ada yang akan tenggelam di dalam air.
* Memiliki Glow Stick untuk penerangan disaat keadaan darurat
* Memiliki Pluit untuk kode peringatan, meminta pertolongan dll
* Tali disekitar ban untuk Mengaitkan Benda” atau tali pertolongan

**BAB III**

**PENUTUP**

1. **Simpulan**

GIMP adalah perangkat lunak untuk manipulasi grafik berbasis raster. GIMP pada awalnya dikembangkan untuk desktop X11 yang berjalan di platform Unix.

Pengembang dan pengelola GIMP memiliki visi produk GIMP untuk berusaha menjadi perangkat lunak grafis kelas atas dalam menyunting dan menciptakan gambar asli, foto, ikon, elemen grafis halaman web, dan seni untuk elemen antarmuka pengguna.

Masalah operasional melaut menjadi masalah yang sering dijumpai. Berupa kurangnya perlengkapan laut seperti Kapal yang tidak layak pakai, minim pencahayaan dan tidak ada alat keselamatan bagi nelayan itu sendiri berupa rompi dan pelampung.

1. **Saran**
2. Melihat dari prosesnya, sepantasnya dari pemerintah memberikan para nelayan bekal berupa alat kesalaman kerja, dikarenakan risiko dari profesi mereka sangat besar dengan pendapatan yang kurang sebanding.
3. Dan untuk nelayan sendiri, diharapkan selalu melengkapi diri dengan alat keselamatan kerja, kalaupun tidak mampu dan tidak mendapatka bantuan atas kelengkapan alat tersebut, diharapkan mampu mencari alternatif yg lebih murah. Seminimalnya dilengkapi keselamatan berupa pelampung dan pluit

**Daftar Pustaka**

Sumber : Hermawan Mappiwali / detikNews/ Minggu, 26 April 2020, Pukul 17.23 WIB.

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