

## الإستهلال

قال تعالى :

بسم الله الرحمن الرحيم

( وَأَنْفِقُوا فِي سَبِيلِ اللَّهِ وَلَا تُلْقُوا بِأَيْدِيكُمْ إِلَى التَّهْلُكَةِ وَأَحْسِنُوا إِنَّ اللَّهَ يُحِبُّ الْمُحْسِنِينَ )

صدق الله العظيم

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عَنْ أَبِي هُرَيْرَةَ رَضِيَ اللَّهُ عَنْهُ قَالَ: قَالَ رَسُولُ اللَّهِ صَلَّى اللَّهُ عَلَيْهِ وَسَلَّمَ : كُلُّ سُلَامَى مِنَ النَّاسِ عَلَيْهِ صَدَقَةٌ كُلَّ يَوْمٍ تَطْلُعُ فِيهِ الشَّمْسُ؛ تَعْدِلُ بَيْنَ اثْنَيْنِ صَدَقَةٌ، وَتُعِينُ الرَّجُلَ فِي دَابَّتِهِ فَتَحْمِلُهُ عَلَيْهَا، أَوْ تَرْفَعُ لَهُ عَلَيْهَا مَتَاعَهُ صَدَقَةٌ، وَالْكَلِمَةُ الطَّيِّبَةُ صَدَقَةٌ، وَبِكُلِّ خُطْوَةٍ تَمْشِيهَا إِلَى الصَّلَاةِ صَدَقَةٌ، وَتُمِيطُ الْأَذَى عَنِ الطَّرِيقِ صَدَقَةٌ . رواه البخاري ومسلم.

## Dedication

*To my parents, my family, who have graciously and patiently stood by my side, without their support and continued help, this effort, would not have been possible.*

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Dalia Abd-Allah Elhassan

## **Abstract**

Construction industry is one of the world's major industries which remains a major employer of labor whether the percentage of construction workers may reach to 20% from society, that makes the necessity for protecting workers from construction accidents and occupational diseases by health and safety management in construction industry.

This thesis aims to address the issue of health and safety management in detail and the establishment of an integrated program in health and safety to prevent or minimize the occurrence of accidents and occupational diseases and work-related injuries while performing work in the construction industry in Sudan.

This is done through the implementation of steps safety program ideally including the development of an integrated plan for health and safety at the site and regular meetings to educate workers regarding health and safety, training and provide tools Health and Safety Active and others, should also implement the business properly.

This research examines the pros and having health and safety management, which is the health and safety of workers good and improve the efficiency and performance of workers and boost their morale and create an atmosphere practical and ideal environment risk-free. The study also cons lack of health and safety management, which is reflected in the presence of risks that threaten the lives and health of employees and loss and occupational diseases and work-related injuries. To arrive to these objectives had been selected the

method of questionnaire to collect and analyze data to prove the need for a health and safety management in construction industry.

The research focuses on health and safety management in construction industry especially in Sudan. The research divided into five chapters as follow:

Chapter one : general explanation of problem of the research, its objectives and hypothesis.

Chapter two : contains several definitions as management, health and safety and construction industry, also discusses some related issues.

Chapter three : contains some regulations of health and safety and most procedures and requirements to implement health and safety management.

Chapter four : about the questionnaire, its analysis and discussions.

Chapter five : contains conclusion, recommendations, references and appendix

## خلاصة البحث

صناعة التشييد تعتبر من أهم الصناعات حول العالم وتعتبر الموظف الأساسي إذ تصل أحياناً نسبة العاملين في قطاع التشييد الى ٢٠ % من المجتمع، ومن هنا جاءت الضرورة لحماية العاملين من حوادث التشييد والأمراض المهنية من خلال إدارة الصحة والسلامة في صناعة التشييد.

تهدف هذ الأطروحة الى معالجة مسألة إدارة الصحة والسلامة بالتفصيل وذلك بإنشاء برنامج متكامل في الصحة والسلامة لمنع أو تقليل وقوع الحوادث وأمراض المهنة وإصابات العمل أثناء تنفيذ العمل في صناعة التشييد في السودان.

ويتم ذلك من خلال تنفيذ خطوات برنامج السلامة بصورة مثالية منها وضع خطة متكاملة للصحة والسلامة في الموقع وإجتماعات دورية لتوعية العمال بما يخص الصحة والسلامة وتدريبهم وتوفير أدوات الصحة والسلامة بالموقع وغيرها، كما يجب تنفيذ الأعمال بصورة سليمة.

يدرس هذا البحث إيجابيات وجود إدارة الصحة والسلامة التي تتمثل في صحة وسلامة العاملين الجيدة وتحسين كفاءة وأداء العمال ورفع الروح المعنوية لهم وتهيئة جو عملي وبيئة مثالية خالية من المخاطر. وأيضاً دراسة سلبيات عدم وجود إدارة الصحة والسلامة التي تنعكس في وجود المخاطر التي تهدد حياة وصحة العاملين والخسائر والأمراض المهنية وإصابات العمل. وللوصول لهذا الهدف تم استخدام طريقة الإستبيان لجمع المعلومات وبعد تحليلها تم إثبات ضرورة وجود إدارة الصحة والسلامة.

يركز هذا البحث على إدارة الصحة والسلامة في صناعة التشييد وبشكل خاص في دولة السودان . وقد تم تقسيم هذا البحث الى خمسة فصول هي :-

الفصل الأول :- شرح عام يوضح مشكلة البحث وأهدافه وفرضياته.

الفصل الثاني :- يستعرض تعاريف لكل من مفهوم الإدارة والصحة والسلامة وصناعة التشييد ويناقش بعض المسائل المتعلقة بهم.

الفصل الثالث :- يعرض نماذج الإستبيان.

الفصل الرابع :- يعطي تحليل الإستبيان .

الفصل الخامس :- يوضح بعض الحلول والتوصيات التي قد تساهم في إدارة الصحة والسلامة في صناعة التشييد في السودان. و الخاتمة والمراجع والملحقات .

## **Abbreviations**

**SPSS** : Statistical Package for Social Science

**HS** : Health and Safety

**HSE** : Health and Safety Executive

**HRD** : Human Resources Development

**OSHA** : Occupational Safety & Health Administration

**HR** : Human Resources

**HRM** : Human Resources Management

**HRD** : Human Resources Development

**CDM** : Construction Design and Management

**PPE** : Personal Protective Equipments

**ILO** : International Labours Organaization

**WHO** : World Health Organization

**CSOs** : Construction Safety Orders

**IIP** : Injury and Illness Prevention (IIP program)

**RMIs** : Repeative Motion Injuries

**MSDs** : Material Safety Data sheets

**ANSI** : American National Standards Institute

**ILO** : International Labours Organization

## Contains

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